FACILITY PERMIT TO OPERATE

CAMBRO MANUFACTURING CO
7601 CLAY AVE
HUNTINGTON BEACH, CA 92648

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR A COPY THEREOF MUST BE KEPT AT THE LOCATION FOR WHICH IT IS ISSUED.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT SHALL NOT BE CONSTRUED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF ANY OTHER FEDERAL, STATE OR LOCAL GOVERNMENTAL AGENCIES.

Barry R. Wallerstein, D. Env.
EXECUTIVE OFFICER

By _____
Mohsen Nazemi, P.E.
Deputy Executive Officer
Engineering & Compliance

FACILITY PERMIT TO OPERATE
CAMBRO MANUFACTURING CO

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FACILITY PERMIT TO OPERATE
CAMBRO MANUFACTURING CO

SECTION A: FACILITY INFORMATION

LEGAL OWNER &/OR OPERATOR:	CAMBRO MANUFACTURING CO
LEGAL OPERATOR (if different than owner):	
EQUIPMENT LOCATION:	7601 CLAY AVE HUNTINGTON BEACH, CA 92648
MAILING ADDRESS:	P.O. BOX 2000 HUNTINGTON BEACH, CA 92647-2000
RESPONSIBLE OFFICIAL:	STEVE THOMSON
TITLE:	VICE-PRESIDENT, MANUFACTURING
TELEPHONE NUMBER:	(714) 230-4219
CONTACT PERSON:	KENT ADAMS
TITLE:	ENVIRONMENTAL ENGINEER
TELEPHONE NUMBER:	(714) 230-4226
TITLE V PERMIT ISSUED:	July 03, 2002
TITLE V PERMIT EXPIRATION DATE:	July 02, 2007

TITLE V	RECLAIM	
YES	NOx:	NO
	SOx:	NO
	CYCLE:	0
	ZONE:	COASTAL

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SECTION B: RECLAIM Annual Emission Allocation

NOT APPLICABLE

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SECTION C: FACILITY PLOT PLAN

(TO BE DEVELOPED)

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Facility Equipment and Requirements
(Section D)

This section consists of a table listing all permitted equipment at the facility, facility wide requirements, copies of all individual Permits to Construct and Permits to Operate issued to various equipment at the facility, and Rule 219-exempt equipment subject to source-specific requirements. Each permit and Rule 219-exempt equipment will list operating conditions including periodic monitoring requirements, and applicable emission limits and requirements that the equipment is subject to. Also included is the rule origin and authority of each emission limit and permit condition.

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PERMITTED EQUIPMENT LIST

The following is a list of all permits to construct and permits to operate at this facility:

Application number	Permit number	Equipment description
451584		PLASMA ARC CUTTER
464491		BURNOFF FURNACE
464493		AFTERBURNER
466443		PLASTIC GRINDING SYSTEM
466444		PLASTIC GRINDING SYSTEM
466445		PLASTIC GRINDING SYSTEM
493528		PLASTIC GRINDING SYSTEM
498931		I C E (50-500 HP) N-EM STAT NAT GAS ONLY
498932		BAGHOUSE, AMBIENT TEMP (>500 SQ FT)
01573A	S02931	OVEN, DRYING
01574A	S02932	OVEN, DRYING

NOTE: EQUIPMENT LISTED ABOVE THAT HAVE NO CORRESPONDING PERMITS TO OPERATE NUMBER ARE ISSUED PERMITS TO CONSTRUCT. THE ISSUANCE OR DENIAL OF THEIR PERMITS TO OPERATE IS SUBJECT TO ENGINEERING FINAL REVIEW. ANY OTHER APPLICATIONS THAT ARE STILL BEING PROCESSED AND HAVE NOT BEEN ISSUED PERMITS TO CONSTRUCT OR PERMITS TO OPERATE WILL NOT BE FOUND IN THIS TITLE V PERMIT.

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FACILITY WIDE CONDITION(S)

Condition(s):

1. EXCEPT FOR OPEN ABRASIVE BLASTING OPERATIONS, THE OPERATOR SHALL NOT DISCHARGE INTO THE ATMOSPHERE FROM ANY SINGLE SOURCE OF EMISSIONS WHATSOEVER ANY AIR CONTAMINANT FOR A PERIOD OR PERIODS AGGREGATING MORE THAN THREE MINUTES IN ANY ONE HOUR WHICH IS:

   A. AS DARK OR DARKER IN SHADE AS THAT DESIGNATED NO. 1 ON THE RINGLEMANN CHART, AS PUBLISHED BY THE UNITED STATES BUREAU OF MINES; OR

   B. OF SUCH OPACITY AS TO OBSCURE AN OBSERVER'S VIEW TO A DEGREE EQUAL TO OR GREATER THAN DOES SMOKE DESCRIBED IN SUBPARAGRAPH (a) OF THIS CONDITION. (RULE 401)

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PERMIT TO OPERATE

Permit No. S02931
A/N 01573A

Equipment Description:

OVEN NO. 1, BAYER, 3'-0" W. X I2'-0" L. X 2'-8" H. WITH THREE 2 KW ELECTRIC INFRARED HEATERS AND ONE ¼ H.P. CONVEYOR.

Condition:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]

3. THIS OVEN MUST NOT BE OPERATED AT TEMPERATURES ABOVE 160° F.
[RULE 1303(a)(1)-BACT]

Periodic Monitoring:

4. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):

   COATINGS USAGE FOR OVENS 1 & 2
   [RULE 3004 (a)(4)]

5. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE TEMPERATURE OF THE OVEN IS NOT MORE THAN 160 DEG F. TO COMPLY WITH THIS CONDITION THE OPERATOR SHALL INSTALL AND MAINTAIN A TEMPERATURE READING DEVICE TO ACCURATELY INDICATE THE TEMPERATURE OF THE OVEN.
[RULE 3004 (a)(4)]

Emissions And Requirements:

6. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

   VOC: RULE 1130.1, SEE APPENDIX B FOR EMISSION LIMITS
   VOC: RULE 109

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PERMIT TO OPERATE

Permit No. S02932
A/N 01574A

Equipment Description:

OVEN NO. 2, BAYER, 3'-0" W. X I2'-0" L. X 2'-8" H. WITH THREE 2 KW ELECTRIC INFRARED HEATERS AND ONE ¼ H.P. CONVEYOR.

Condition:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
   [RULE 204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
   [RULE 204]

3. THIS OVEN MUST NOT BE OPERATED AT TEMPERATURES ABOVE 160° F.
   [RULE 1303(a)(1)-BACT]

Periodic Monitoring:

4. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):

   COATINGS USAGE FOR OVENS 1 & 2
   [RULE 3004 (a)(4)]

5. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE TEMPERATURE OF THE OVEN IS NOT MORE THAN 160 DEG F. TO COMPLY WITH THIS CONDITION THE OPERATOR SHALL INSTALL AND MAINTAIN A TEMPERATURE READING DEVICE TO ACCURATELY INDICATE THE TEMPERATURE OF THE OVEN.
   [RULE 3004 (a)(4)]

Emissions And Requirements:

6. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

   VOC: RULE 1130.1, SEE APPENDIX B FOR EMISSION LIMITS
   VOC: RULE 109

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PERMIT TO OPERATE

Permit No. GXXXX
A/N 498931

Equipment Description:

INTERNAL COMBUSTION ENGINE, CATERPILLAR, MODEL NO. G3408SITA, 450 BHP, NATURAL GAS FIRED, TURBOCHARGED AND AFTERCOOLED, 8 CYLINDERS, WITH A CATALYTIC CONVERTER, AND AN AIR-TO-FUEL RATIO CONTOLLER.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]

3. THE OPERATOR SHALL INSTALL AND MAINTAIN A(N) NON-RESETTABLE TOTALIZING FUEL METER TO ACCURATELY INDICATE THE FUEL USAGE OF THE EQUIPMENT.
[RULE 1303(a)(1)-BACT]

4. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES OR REGULATIONS: NOX RULE 1110.2 VOC RULE 1110.2 CO RULE 1110.2
[RULE 1110.2]

5. THE OPERATOR SHALL LIMIT EMISSIONS FROM THIS EQUIPMENT AS FOLLOWS: NOX: 0. 15 GM/HP-HP VOC: 0. 15 GM/HP-HR CO: 0.60 GM/HP-HR
[RULE 1303(a)(1)-BACT]

6. THE OPERATOR SHALL INSTALL AND MAINTAIN A SENSOR TO ACCURATELY INDICATE THE TEMPERATURE AT THE INLET AND OUTLET OF THE CATALYST. THE OPERATOR SHALL ALSO INSTALL AND MAINTAIN A DEVICE TO CONTINUOUSLY RECORD THE PARAMETER BEING MEASURED.
[RULE 1303(a)(1)-BACT]

7. THE MINIMUM TEMPERATURE OF THE ENGINE EXHAUST AT THE NON-SELECTIVE CATALYTIC REDUCTION SYSTEM UNIT SHALL BE AT LEAST 750 DEGREES FAHRENHEIT (EXCEPT DURING THE COLD ENGINE START-UP, NOT TO EXCEED 30 MINUTES).
[RULE 1303(a)(1)-BACT]

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8. THE MAXIMUM TEMPERATURE OF THE ENGINE EXHAUST AT THE OUTLET OF THE NON-SELECTIVE CATALYTIC REDUCTION SYSTEM UNIT SHALL NOT EXCEED 1,350 DEGREES FAHRENHEIT.
[RULE 1303(a)(1)-BACT]

9. THE OPERATOR SHALL INSTALL AND MAINTAIN AN EXHAUST GAS OXYGEN SENSOR AT THE INLET OF THE CATALYST. THE DISPLAY OF THE EXHAUST GAS CONCENTRATION SHALL READ IN EITHER PERCENT OXYGEN, LAMBDA OR MILLIVOLTS (MV). IF THE READING IS IN MILLIVOLTS OR LAMBDA, THE OPERATOR SHALL MAINTAIN ON SITE A CONVERSION CHART THAT CORRELATES THE MILLIVOLTS OR LAMBDA READING TO THE OXYGEN CONCENTRATION. THE EXHAUST GAS CONCENTRATION SHALL BE MAINTAINED BETWEEN 0.2 AND 0.5 PERCENT OXYGEN.
[RULE 1303(a)(1)-BACT]

10. THIS ENGINE SHALL BE OPERATED ONLY AT A SPECIFIC LOAD EQUIVALENT TO 350 B.H.P. AT 1,400 R.P.M. (EXCEPT DURING START-UP AND SHUT-DOWN OPERATION). EVIDENCE OF COMPLIANCE WITH THIS CONDITION SHALL INCLUDE, BUT NOT BE LIMITED TO, A VISIBLE DISPLAY SHOWING THE RPM RATING OF THE ENGINE. THE RPM RATING OF THE ENGINE SHALL BE MAINTAINED AT AROUND 1,400 RPM (+/-10% IS ACCEPTABLE).
[RULE 1110.2]

11. THIS ENGINE SHALL BE OPERATED IN COMPLIANCE WITH ALL THE MONITORING, TESTING, RECORDKEEPING AND REPORTING REQUIREMENTS OF RULE 1110.2 (F)(1) – AMENDED 2/1/2008, AS OUTLINED BELOW:

    A. THE OPERATOR SHALL INSTALL AND MAINTAIN AN OPERATIONAL NON-RESETTABLE TOTALIZING TIME METER ON THE ENGINE (DISPLAY READING SHALL BE READILY AVAILABLE) TO DETERMINE THE ENGINE ELAPSED OPERATING TIME.

    B. CONDUCT SOURCE TESTING FOR NOX, VOC REPORTED AS CARBON, AND CO CONCENTRATIONS (CONCENTRATION IN PPM BY VOLUME, CORRECTED TO 15% OXYGEN ON DRY BASIS) AT LEAST ONCE EVERY TWO YEARS, OR EVERY 8,760 OPERATING HOURS, WHICHEVER OCCURS FIRST. THE SOURCE TEST FREQUENCY MAY BE REDUCED TO ONCE EVERY THREE YEARS IF THE ENGINE HAS OPERATED LESS THAN 2,000 HOURS SINCE THE LAST SOURCE TEST. IF THE ENGINE HAS NOT BEEN OPERATED WITHIN 3 MONTHS OF THE DATE A SOURCE TEST IS REQUIRED, THE SOURCE TEST SHALL BE CONDUCTED WHEN THE ENGINE RESUMES OPERATION FOR A PERIOD LONGER THAN EITHER 7 CONSECUTIVE DAYS OR 15 CUMULATIVE DAYS OF OPERATION. THE OPERATOR SHALL KEEP SUFFICIENT OPERATING RECORDS TO DEMONSTRATE THAT IT MEETS THE REQUIREMENTS FOR EXTENSION OF THE SOURCE TESTING DEADLINES.

    THE SOURCE TEST SHALL BE CONDUCTED FOR A MINIMUM OF 30 MINUTES UNDER THE DEFINED LOAD CONDITION SPECIFIED IN CONDITION NO. 10. THE OPERATOR SHALL NOT BE REQUIRED TO CONDUCT THE 15-MINUTE NOX AND CO EMISSIONS TESTS AT THE ACTUAL PEAK LOAD AND AT THE MINIMUM LOAD AS SPECIFIED IN RULE 1110.2 (F)(1)(C)(II).

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THE OPERATOR SHALL USE ONLY A SOURCE TEST CONTRACTOR THAT IS APPROVED BY THE EXECUTIVE OFFICER UNDER THE DISTRICT'S LABORATORY APPROVAL PROGRAM (LAP) FOR THE NECESSARY TEST METHODS. THE OPERATOR SHALL COMPLY WITH THE PROCEDURES STATED IN RULE 1110.2 (F)(1)(C)(IV) THROUGH (VII) – AMENDED 2/1/2008, REGARDING THE SUBMITTAL OF SOURCE TEST PROTOCOL, SOURCE TEST REPORTS AND UTILITIES FOR SAMPLING AND TESTING EQUIPMENT.

C. MAINTAIN A MONTHLY OPERATING ENGINE LOG THAT INCLUDES:

(i) TOTAL HOURS OF OPERATION,
(ii) TYPE OF GASEOUS FUEL,
(iii) FUEL CONSUMPTION (CUBIC FEET OF GAS), AND
(iv) CUMULATIVE HOURS OF OPERATION SINCE THE LAST SOURCE TEST REQUIRED IN SUBPARAGRAPH (f)(1)(C) OF RULE 1110.2 - AMENDED 2/1/2008.

THE LOG SHALL BE MADE AVAILABLE FOR INSPECTION AT ANY TIME.

D. THE OPERATOR SHALL COMPLY WITH THE REPORTING REQUIREMENTS OF RULE 1110.2 (F)(1)(H)(I) THROUGH (III) – AMENDED 2/1/2008, PERTAINING TO ANY EQUIPMENT BREAKDOWN THAT RESULTS IN EMISSIONS IN EXCESS OF RULE OR PERMIT EMISSION LIMITS.

[RULE 1110.2]

12. THE OPERATOR SHALL KEEP RECORDS IN A MANNER APPROVED BY THE DISTRICT FOR THE FOLLOWING PARAMETER(S) OR ITEMS(S):

PERCENT OXYGEN AT THE INLET OF THE CATALYST
[RULE 1303(a)(1)-BACT]

Periodic Monitoring:

13. THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSIONS FROM ALL STACKS AND OTHER EMISSION POINTS OF THIS EQUIPMENT WHENEVER THERE IS A PUBLIC COMPLAINT OF VISIBLE EMISSIONS, WHENEVER VISIBLE EMISSIONS ARE OBSERVED, AND ON AN ANNUAL BASIS, AT LEAST, UNLESS THE EQUIPMENT DID NOT OPERATE DURING THE ENTIRE ANNUAL PERIOD. THE ROUTINE ANNUAL INSPECTION SHALL BE CONDUCTED WHILE THE EQUIPMENT IS IN OPERATION AND DURING DAYLIGHT HOURS. IF ANY VISIBLE EMISSIONS (NOT INCLUDING CONDENSED WATER VAPOR) ARE DETECTED THAT LAST MORE THAN THREE MINUTES IN ANY ONE-HOUR, THE OPERATOR SHALL EITHER:

A. VERIFY AND CERTIFY WITHIN 24 HOURS THAT THE EQUIPMENT CAUSING THE EMISSION AND ANY ASSOCIATED AIR POLLUTION CONTROL EQUIPMENT ARE OPERATING NORMALLY ACCORDING TO THEIR DESIGN AND STANDARD PROCEDURES AND UNDER THE SAME CONDITIONS UNDER WHICH COMPLIANCE WAS ACHIEVED IN THE PAST;

B. TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN ACCORDANCE WITH THE REPORTING REQUIREMENTS IN SECTION K OF THIS PERMIT; OR

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C. HAVE A CARB-CERTIFIED SMOKE READER DETERMINE COMPLIANCE WITH THE OPACITY STANDARD, USING EPA METHOD 9 OR THE PROCEDURES IN THE CARB MANUAL "VISIBLE EMISSION EVALUATION", WITHIN THREE BUSINESS DAYS AND REPORT ANY DEVIATIONS TO AQMD.

THE OPERATOR SHALL KEEP THE RECORDS IN ACCORDANCE WITH THE RECORDKEEPING REQUIREMENTS IN SECTION K OF THIS PERMIT AND THE FOLLOWING RECORDS:

A. STACK OR EMISSION POINT IDENTIFICATION;

B. DESCRIPTION OF ANY CORRECTIVE ACTIONS TAKEN TO ABATE VISIBLE EMISSIONS;

C. DATE AND TIME VISIBLE EMISSION WAS ABATED; AND

D. VISIBLE EMISSION OBSERVATION RECORDED BY A CERTIFIED SMOKE READER. [RULE 3004 (a)(4)]

Emissions And Requirements:

14. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

CO: 2000 PPM, RULE 1110.2
CO: 0.60 GM/HP-HR, BACT, 5-10-96
NOx: 36 PPM, RULE 1110.2
NOx: 0.15 GM/HP-HR, BACT, 5-10-96
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
VOC: 250 PPM, RULE 1110.2
VOC: 0.15 GM/HP-HR, BACT, 5-10-96
O_2: 0.5%, RULE 3004(A)(1), BACT, 5-10-96

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Permit No. GXXXX
A/N 493528

Equipment Description:

PLASTIC GRINDING SYSTEM CONSISTING OF:

1. SHREDDER, WEIMA AMERICA, MODEL NO. WLK6S, WITH A 50 HP MOTOR.
2. GRANULATOR, CUMBERLAND ENGINEERING, MODEL NO. 1620X, WITH A 40 HP MOTOR.
3. PNEUMATIC CONVEYOR CONSISTING OF A 5 HP EVACUATION BLOWER.
4. CYCLONE SEPERATOR, STERLING, MODEL CS08014.
5. FILTER VENT, WITH FOUR BAG FILTERS, EACH 1'-4" DIA. X 10'-0" L.
6. DE-DUSTER, PELLETRON, MODEL P30.
7. CYCLONE SEPERATOR, PELLETRON.
8. FILTER VENT, WITH ONE FILTER CARTRIDGE, 1'-0" DIA. X 1'-4"L.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
   [RULE 204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
   [RULE 204]

3. THE TOTAL AMOUNT OF MATERIALS PROCESSED BY THIS EQUIPMENT SHALL NOT EXCEED 345,600 POUNDS PER CALENDAR MONTH.
   [RULE 1303(b)-OFFSET]

4. DUST COLLECTED IN THE FILTER SOCKS SHALL BE DISCHARGED ONLY INTO ENCLOSED CONTAINERS OR RETURNED TO PROCESS AND SHALL NOT BE HANDLED IN A MANNER THAT MAY RESULT IN THE RE-RELEASE OF COLLECTED MATERIALS TO THE ATMOSPHERE.
   [RULE 1303(a)(1)-BACT]

5. THE OPERATOR SHALL MAINTAIN ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY COMPLIANCE WITH CONDITION NO. 3 ABOVE. SUCH RECORDS SHALL BE KEPT ON THE PREMISES FOR AT LEAST TWO YEARS AND BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE UPON REQUEST.
   [RULE 3004(a)(4)]

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Periodic Monitoring:

6. THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSIONS FROM ALL STACKS AND OTHER EMISSION POINTS OF THIS EQUIPMENT WHENEVER THERE IS A PUBLIC COMPLAINT OF VISIBLE EMISSIONS, WHENEVER VISIBLE EMISSIONS ARE OBSERVED, AND ON AN ANNUAL BASIS, AT LEAST, UNLESS THE EQUIPMENT DID NOT OPERATE DURING THE ENTIRE ANNUAL PERIOD. THE ROUTINE ANNUAL INSPECTION SHALL BE CONDUCTED WHILE THE EQUIPMENT IS IN OPERATION AND DURING DAYLIGHT HOURS. IF ANY VISIBLE EMISSIONS (NOT INCLUDING CONDENSED WATER VAPOR) ARE DETECTED THAT LAST MORE THAN THREE MINUTES IN ANY ONE-HOUR, THE OPERATOR SHALL EITHER:

   A. VERIFY AND CERTIFY WITHIN 24 HOURS THAT THE EQUIPMENT CAUSING THE EMISSION AND ANY ASSOCIATED AIR POLLUTION CONTROL EQUIPMENT ARE OPERATING NORMALLY ACCORDING TO THEIR DESIGN AND STANDARD PROCEDURES AND UNDER THE SAME CONDITIONS UNDER WHICH COMPLIANCE WAS ACHIEVED IN THE PAST;

   B. TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN ACCORDANCE WITH THE REPORTING REQUIREMENTS IN SECTION K OF THIS PERMIT; OR

   C. HAVE A CARB-CERTIFIED SMOKE READER DETERMINE COMPLIANCE WITH THE OPACITY STANDARD, USING EPA METHOD 9 OR THE PROCEDURES IN THE CARB MANUAL "VISIBLE EMISSION EVALUATION", WITHIN THREE BUSINESS DAYS AND REPORT ANY DEVIATION TO AQMD.

   THE OPERATOR SHALL KEEP THE RECORDS IN ACCORDANCE WITH THE RECORDKEEPING REQUIREMENTS IN SECTION K OF THIS PERMIT AND THE FOLLOWING RECORDS:
   A) STACK OR EMISSION POINT IDENTIFICATION;
   B) DESCRIPTION OF ANY CORRECTIVE ACTIONS TAKEN TO ABATE VISIBLE EMISSIONS;
   C) DATE AND TIME VISIBLE EMISSION WAS ABATED; AND
   D) VISIBLE EMISSION OBSERVATION RECORDED BY A CERTIFIED SMOKE READER.

   [RULE 3004(a)(4)]

Emissions And Requirements:

7. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

   PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
   PM: RULE 405, SEE APPENDIX B FOR EMISSION LIMITS

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Permit No. GXXXX
A/N 451584

Equipment Description:

PLASMA ARC CUTTER, THERMAL DYNAMICS PAKMASTER 38XL, SERIAL NO. 01486903, 240 VOLTS.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]

3. THE OPERATOR SHALL LIMIT THE TOTAL LENGTH OF CUTS ON STAINLESS STEEL TO NO MORE THAN 30 FEET IN ANY CALENDAR MONTH.
[RULE 1303(b)(2)-OFFSET]

4. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):

   NUMBER OF CUTS ON STAINLESS STEEL PER CALENDAR MONTH

   LENGTH OF EACH CUT

   [RULE 3004 (a)(4)]

Periodic Monitoring:

5. THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSIONS FROM ALL STACKS AND OTHER EMISSION POINTS OF THIS EQUIPMENT WHENEVER THERE IS A PUBLIC COMPLAINT OF VISIBLE EMISSIONS, WHENEVER VISIBLE EMISSIONS ARE OBSERVED, AND ON AN ANNUAL BASIS, AT LEAST, UNLESS THE EQUIPMENT DID NOT OPERATE DURING THE ENTIRE ANNUAL PERIOD. THE ROUTINE ANNUAL INSPECTION SHALL BE CONDUCTED WHILE THE EQUIPMENT IS IN OPERATION AND DURING DAYLIGHT HOURS. IF ANY VISIBLE EMISSIONS (NOT INCLUDING CONDENSED WATER VAPOR) ARE DETECTED THAT LAST MORE THAN THREE MINUTES IN ANY ONE-HOUR, THE OPERATOR SHALL EITHER:

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A. VERIFY AND CERTIFY WITHIN 24 HOURS THAT THE EQUIPMENT CAUSING THE EMISSION AND ANY ASSOCIATED AIR POLLUTION CONTROL EQUIPMENT ARE OPERATING NORMALLY ACCORDING TO THEIR DESIGN AND STANDARD PROCEDURES AND UNDER THE SAME CONDITIONS UNDER WHICH COMPLIANCE WAS ACHIEVED IN THE PAST;

B. TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN ACCORDANCE WITH THE REPORTING REQUIREMENTS IN SECTION K OF THIS PERMIT; OR

C. HAVE A CARB-CERTIFIED SMOKE READER DETERMINE COMPLIANCE WITH THE OPACITY STANDARD, USING EPA METHOD 9 OR THE PROCEDURES IN THE CARB MANUAL "VISIBLE EMISSION EVALUATION", WITHIN THREE BUSINESS DAYS AND REPORT ANY DEVIATION TO AQMD.

THE OPERATOR SHALL KEEP THE RECORDS IN ACCORDANCE WITH THE RECORDKEEPING REQUIREMENTS IN SECTION K OF THIS PERMIT AND THE FOLLOWING RECORDS:

A. STACK OR EMISSION POINT IDENTIFICATION;

B. DESCRIPTION OF ANY CORRECTIVE ACTIONS TAKEN TO ABATE VISIBLE EMISSIONS;

C. DATE AND TIME VISIBLE EMISSION WAS ABATED; AND

D. VISIBLE EMISSION OBSERVATION RECORDED BY A CERTIFIED SMOKE READER.

[RULE 3004(a)(4)]

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Permit No. GXXXX
A/N 464491

Equipment Description:

BURNOFF FURNACE, FLUIDIZED BED, ALUMINUM OXIDE MEDIA, PROCEDYNE, MODEL NO. PCS-2430, 7'-0" L. X 3'-0" W. X 4'-0" H., ELECTRIC HEATING, 20 KW, WITH A DIGITAL CONTROLLER.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]

3. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE EXECUTIVE OFFICER.
[RULE 1303(a)(1)-BACT]

4. PLASTIC MATERIALS CHARGED TO THIS EQUIPMENT SHALL NOT EXCEED 20.61 POUNDS PER CALENDAR MONTH.
[RULE 1303(b)(2)-OFFSET]

5. THE OPERATOR SHALL NOT CHARGE HALOGENATED COMPOUNDS TO THIS EQUIPMENT.
[RULE 1303(a)(1)-BACT]

6. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):

   MATERIAL SAFETY DATA SHEETS FOR ALL PLASTIC MATERIALS CHARGED TO THIS EQUIPMENT.

   POUNDS OF THE PLASTIC MATERIALS CHARGED TO THIS EQUIPMENT PER BATCH.

   NUMBER OF BATCHES PER CALENDAR MONTH.

   [RULE 3004 (a)(4)]

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PERMIT TO OPERATE

Permit No. GXXXX
A/N 464493

Equipment Description:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. AFTERBURNER, PROCEDYNE, MODEL NO. AB-20-1, 0.125 MMBTU/HR, NATURAL GAS FIRED.
2. EXHAUST SYSTEM WITH A 2 HP BLOWER, VENTING ONE BURNOFF FURNACE.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
   [RULE 204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
   [RULE 204]

3. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE TEMPERATURE OF THE AFTERBURNER IS NOT LESS THAN 1,400 DEG F. TO COMPLY WITH THIS CONDITION THE OPERATOR SHALL INSTALL AND MAINTAIN A TEMPERATURE MEASURING DEVICE TO ACCURATELY INDICATE THE TEMPERATURE OF THE AFTERBURNER. THE OPERATOR SHALL ALSO INSTALL AND MAINTAIN A DEVICE TO CONTINUOUSLY RECORD THE PARAMETER BEING MEASURED.
   [RULE 1303(a)(1)-BACT]

4. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES OR REGULATIONS: NOX RULE 1147.
   [RULE 1147]

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PERMIT TO OPERATE

Permit No. GXXXX
A/N 466443

Equipment Description:

PLASTIC GRINDER SYSTEM NO. 1. CONSISTING OF:

1. GRANULATOR, 3-KNIFE CUTTER TYPE, CUMBERLAND, MODEL 584, WITH A 20 HP MOTOR.
2. PNEUMATIC CONVEYOR CONSISTING OF A 5 HP EVACUATION BLOWER AND A CYCLONE RECEIVER.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]

3. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE EXECUTIVE OFFICER.
[RULE 1303(a)(1)-BACT]

4. THE TOTAL AMOUNT OF MATERIALS PROCESSED BY PLASTIC GRINDER SYSTEM NOS 1, 2 AND 3 SHALL NOT EXCEED 345,000 POUNDS PER CALENDAR MONTH.
[RULE 1303(b)-OFFSET]

5. THE OPERATOR SHALL MAINTAIN ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY COMPLIANCE WITH CONDITION NOS. 4 AND 5 ABOVE. SUCH RECORDS SHALL BE KEPT ON THE PREMISES FOR AT LEAST TWO YEARS AND BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE UPON REQUEST.
[RULE 3004(a)(4)]

Periodic Monitoring:

6. THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSIONS FROM ALL STACKS AND OTHER EMISSION POINTS OF THIS EQUIPMENT WHENEVER THERE IS A PUBLIC COMPLAINT OF VISIBLE EMISSIONS, WHENEVER VISIBLE EMISSIONS ARE OBSERVED, AND ON AN ANNUAL BASIS, AT LEAST, UNLESS THE EQUIPMENT DID NOT OPERATE DURING THE

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ENTIRE ANNUAL PERIOD. THE ROUTINE ANNUAL INSPECTION SHALL BE CONDUCTED WHILE THE EQUIPMENT IS IN OPERATION AND DURING DAYLIGHT HOURS. IF ANY VISIBLE EMISSIONS (NOT INCLUDING CONDENSED WATER VAPOR) ARE DETECTED THAT LAST MORE THAN THREE MINUTES IN ANY ONE-HOUR, THE OPERATOR SHALL EITHER:

A. VERIFY AND CERTIFY WITHIN 24 HOURS THAT THE EQUIPMENT CAUSING THE EMISSION AND ANY ASSOCIATED AIR POLLUTION CONTROL EQUIPMENT ARE OPERATING NORMALLY ACCORDING TO THEIR DESIGN AND STANDARD PROCEDURES AND UNDER THE SAME CONDITIONS UNDER WHICH COMPLIANCE WAS ACHIEVED IN THE PAST; OR

B. TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN ACCORDANCE WITH THE REPORTING REQUIREMENTS IN SECTION K OF THIS PERMIT; OR

C. HAVE A CARB-CERTIFIED SMOKE READER DETERMINE COMPLIANCE WITH THE OPACITY STANDARD, USING EPA METHOD 9 OR THE PROCEDURES IN THE CARB MANUAL "VISIBLE EMISSION EVALUATION", WITHIN THREE BUSINESS DAYS AND REPORT ANY DEVIATIONS TO AQMD.

THE OPERATOR SHALL KEEP THE RECORDS IN ACCORDANCE WITH THE RECORDKEEPING REQUIREMENTS IN SECTION K OF THIS PERMIT AND THE FOLLOWING RECORDS:

A. STACK OR EMISSION POINT IDENTIFICATION;

B. DESCRIPTION OF ANY CORRECTIVE ACTIONS TAKEN TO ABATE VISIBLE EMISSIONS;

C. DATE AND TIME VISIBLE EMISSION WAS ABATED; AND

D. VISIBLE EMISSION OBSERVATIONS RECORDED BY A CERTIFIED SMOKE READER.

[RULE 3004 (a)(4)]

Emissions And Requirements:

7. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
PM: RULE 405, SEE APPENDIX B FOR EMISSION LIMITS

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PERMIT TO OPERATE

Permit No. GXXXX
A/N 466444

Equipment Description:

PLASTIC GRINDER SYSTEM NO. 2. CONSISTING OF:

1. GRANULATOR, 3-KNIFE CUTTER TYPE, CUMBERLAND, MODEL 584, WITH A 20 HP MOTOR.
2. PNEUMATIC CONVEYOR CONSISTING OF A 5 HP EVACUATION BLOWER AND A CYCLONE RECEIVER.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]

3. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE EXECUTIVE OFFICER.
[RULE 1303(a)(1)-BACT]

4. THE TOTAL AMOUNT OF MATERIALS PROCESSED BY PLASTIC GRINDER SYSTEM NOS 1, 2 AND 3 SHALL NOT EXCEED 345,000 POUNDS PER CALENDAR MONTH.
[RULE 1303(b)-OFFSET]

5. THE OPERATOR SHALL MAINTAIN ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY COMPLIANCE WITH CONDITION NOS. 4 AND 5 ABOVE. SUCH RECORDS SHALL BE KEPT ON THE PREMISES FOR AT LEAST TWO YEARS AND BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE UPON REQUEST.
[RULE 3004(a)(4)]

Periodic Monitoring:

6. THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSIONS FROM ALL STACKS AND OTHER EMISSION POINTS OF THIS EQUIPMENT WHENEVER THERE IS A PUBLIC COMPLAINT OF VISIBLE EMISSIONS, WHENEVER VISIBLE EMISSIONS ARE OBSERVED, AND ON AN ANNUAL BASIS, AT LEAST, UNLESS THE EQUIPMENT DID NOT OPERATE DURING THE

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ENTIRE ANNUAL PERIOD. THE ROUTINE ANNUAL INSPECTION SHALL BE CONDUCTED WHILE THE EQUIPMENT IS IN OPERATION AND DURING DAYLIGHT HOURS. IF ANY VISIBLE EMISSIONS (NOT INCLUDING CONDENSED WATER VAPOR) ARE DETECTED THAT LAST MORE THAN THREE MINUTES IN ANY ONE-HOUR, THE OPERATOR SHALL EITHER:

A. VERIFY AND CERTIFY WITHIN 24 HOURS THAT THE EQUIPMENT CAUSING THE EMISSION AND ANY ASSOCIATED AIR POLLUTION CONTROL EQUIPMENT ARE OPERATING NORMALLY ACCORDING TO THEIR DESIGN AND STANDARD PROCEDURES AND UNDER THE SAME CONDITIONS UNDER WHICH COMPLIANCE WAS ACHIEVED IN THE PAST; OR

B. TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN ACCORDANCE WITH THE REPORTING REQUIREMENTS IN SECTION K OF THIS PERMIT; OR

C. HAVE A CARB-CERTIFIED SMOKE READER DETERMINE COMPLIANCE WITH THE OPACITY STANDARD, USING EPA METHOD 9 OR THE PROCEDURES IN THE CARB MANUAL "VISIBLE EMISSION EVALUATION", WITHIN THREE BUSINESS DAYS AND REPORT ANY DEVIATIONS TO AQMD.

THE OPERATOR SHALL KEEP THE RECORDS IN ACCORDANCE WITH THE RECORDKEEPING REQUIREMENTS IN SECTION K OF THIS PERMIT AND THE FOLLOWING RECORDS:

A. STACK OR EMISSION POINT IDENTIFICATION;

B. DESCRIPTION OF ANY CORRECTIVE ACTIONS TAKEN TO ABATE VISIBLE EMISSIONS;

C. DATE AND TIME VISIBLE EMISSION WAS ABATED; AND

D. VISIBLE EMISSION OBSERVATIONS RECORDED BY A CERTIFIED SMOKE READER.

[RULE 3004 (a)(4)]

Emissions And Requirements:

7. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
PM: RULE 405, SEE APPENDIX B FOR EMISSION LIMITS

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PERMIT TO OPERATE

Permit No. GXXXX
A/N 466445

Equipment Description:

PLASTIC GRINDER SYSTEM NO. 3. CONSISTING OF:

1. GRANULATOR, 3-KNIFE CUTTER TYPE, CUMBERLAND, MODEL 584, WITH A 20 HP MOTOR.
2. PNEUMATIC CONVEYOR CONSISTING OF A 5 HP EVACUATION BLOWER AND A CYCLONE RECEIVER.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
   [RULE 204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
   [RULE 204]

3. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE EXECUTIVE OFFICER.
   [RULE 1303(a)(1)-BACT]

4. THE TOTAL AMOUNT OF MATERIALS PROCESSED PLASTIC GRINDER SYSTEM NOS 1, 2 AND 3 SHALL NOT EXCEED 345,000 POUNDS PER CALENDAR MONTH.
   [RULE 1303(b)-OFFSET]

5. THE OPERATOR SHALL MAINTAIN ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY COMPLIANCE WITH CONDITION NOS. 4 AND 5 ABOVE. SUCH RECORDS SHALL BE KEPT ON THE PREMISES FOR AT LEAST TWO YEARS AND BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE UPON REQUEST.
   [RULE 3004(a)(4)]

Periodic Monitoring:

6. THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSIONS FROM ALL STACKS AND OTHER EMISSION POINTS OF THIS EQUIPMENT WHENEVER THERE IS A PUBLIC COMPLAINT OF VISIBLE EMISSIONS, WHENEVER VISIBLE EMISSIONS ARE OBSERVED, AND ON AN ANNUAL BASIS, AT LEAST, UNLESS THE EQUIPMENT DID NOT OPERATE DURING THE

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ENTIRE ANNUAL PERIOD. THE ROUTINE ANNUAL INSPECTION SHALL BE CONDUCTED WHILE THE EQUIPMENT IS IN OPERATION AND DURING DAYLIGHT HOURS. IF ANY VISIBLE EMISSIONS (NOT INCLUDING CONDENSED WATER VAPOR) ARE DETECTED THAT LAST MORE THAN THREE MINUTES IN ANY ONE-HOUR, THE OPERATOR SHALL EITHER:

A. VERIFY AND CERTIFY WITHIN 24 HOURS THAT THE EQUIPMENT CAUSING THE EMISSION AND ANY ASSOCIATED AIR POLLUTION CONTROL EQUIPMENT ARE OPERATING NORMALLY ACCORDING TO THEIR DESIGN AND STANDARD PROCEDURES AND UNDER THE SAME CONDITIONS UNDER WHICH COMPLIANCE WAS ACHIEVED IN THE PAST; OR

B. TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN ACCORDANCE WITH THE REPORTING REQUIREMENTS IN SECTION K OF THIS PERMIT; OR

C. HAVE A CARB-CERTIFIED SMOKE READER DETERMINE COMPLIANCE WITH THE OPACITY STANDARD, USING EPA METHOD 9 OR THE PROCEDURES IN THE CARB MANUAL "VISIBLE EMISSION EVALUATION", WITHIN THREE BUSINESS DAYS AND REPORT ANY DEVIATIONS TO AQMD.

THE OPERATOR SHALL KEEP THE RECORDS IN ACCORDANCE WITH THE RECORDKEEPING REQUIREMENTS IN SECTION K OF THIS PERMIT AND THE FOLLOWING RECORDS:

A. STACK OR EMISSION POINT IDENTIFICATION;

B. DESCRIPTION OF ANY CORRECTIVE ACTIONS TAKEN TO ABATE VISIBLE EMISSIONS;

C. DATE AND TIME VISIBLE EMISSION WAS ABATED; AND

D. VISIBLE EMISSION OBSERVATIONS RECORDED BY A CERTIFIED SMOKE READER.

[RULE 3004 (a)(4)]

Emissions And Requirements:

7. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
PM: RULE 405, SEE APPENDIX B FOR EMISSION LIMITS

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Permit No. GXXXX
A/N 498932

Equipment Description:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. DUST COLLECTOR, TORIT, MODEL NO. DFT3-12, PULSE JET TYPE, WITH 12 CARTRIDGES, EACH 1'-2" DIA. X 3'-2" L., AND 3,048 SQ. FT. TOTAL FILTER AREA.
2. EXHAUST SYSTEM, WITH A 20 H.P. BLOWER VENTING PLASTIC GRINDER SYSTEMS NOS. 1, 2 AND 3.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
   [RULE 204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
   [RULE 204]

3. THE OPERATOR SHALL INSTALL AND MAINTAIN A MECHANICAL GAUGE TO INDICATE, IN INCHES WATER COLUMN, THE STATIC PRESSURE DIFFERENTIAL ACROSS THE FILTERS.
   [RULE 1303(a)(1)-BACT]

4. THE PRESSURE DROP ACROSS THE FILTERS SHALL BE MAINTAINED BETWEEN 1 AND 5 INCHES WATER COLUMN.
   [RULE 1303(a)(1)-BACT]

5. DUST COLLECTED IN THE DUST COLLECTOR SHALL BE DISCHARGED ONLY INTO ENCLOSED CONTAINERS OR RETURNED TO PROCESS AND SHALL NOT BE HANDLED IN A MANNER THAT MAY RESULT IN THE RE-RELEASE OF COLLECTED MATERIALS TO THE ATMOSPHERE.
   [RULE 1303(a)(1)-BACT]

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Periodic Monitoring:

6. THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSIONS FROM ALL STACKS AND OTHER EMISSION POINTS OF THIS EQUIPMENT WHENEVER THERE IS A PUBLIC COMPLAINT OF VISIBLE EMISSIONS, WHENEVER VISIBLE EMISSIONS ARE OBSERVED, AND ON A QUARTERLY BASIS, AT LEAST, UNLESS THE EQUIPMENT DID NOT OPERATE DURING THE ENTIRE QUARTERLY PERIOD. THE ROUTINE QUARTERLY INSPECTION SHALL BE CONDUCTED WHILE THE EQUIPMENT IS IN OPERATION AND DURING DAYLIGHT HOURS. IF ANY VISIBLE EMISSIONS (NOT INCLUDING CONDENSED WATER VAPOR) ARE DETECTED, THE OPERATOR SHALL TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN ACCORDANCE WITH THE REPORTING REQUIREMENTS IN SECTION K OF THIS PERMIT.

   THE OPERATOR SHALL KEEP THE RECORDS IN ACCORDANCE WITH THE RECORDKEEPING REQUIREMENTS IN SECTION K OF THIS PERMIT AND THE FOLLOWING RECORDS:

   A. STACK OR EMISSION POINT IDENTIFICATION;

   B. DESCRIPTION OF ANY CORRECTIVE ACTIONS TAKEN TO ABATE VISIBLE EMISSIONS; AND

   C. DATE AND TIME VISIBLE EMISSION WAS ABATED.
   [RULE 3004 (a)(4)]

Emissions And Requirements:

7. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

   PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE
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RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS.

Periodic Monitoring:

1. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):

   FOR ARCHITECTURAL APPLICATIONS WHERE NO THINNERS, REDUCERS, OR OTHER VOC CONTAINING MATERIALS ARE ADDED, MAINTAIN SEMI-ANNUAL RECORDS OF ALL COATINGS CONSISITING OF:

   A. COATING TYPE.

   B. VOC CONTENT AS SUPPLIED IN GRAMS PER LITER (g/l) OF MATERIALS FOR LOW-SOLIDS COATINGS;

   C. VOC CONTENT AS SUPPLIED IN g/l OF COATING, LESS WATER AND EXEMPT SOLVENT, FOR OTHER COATING.

   FOR OTHER ARCHITECTURAL APPLICATIONS WHERE THINNERS, REDUCERS, OR OTHER VOC CONTAINING MATERIALS ARE ADDED, MAINTAIN DAILY RECORDS FOR EACH COATING CONSITING OF:

   A. COATING TYPE.

   B. VOC CONTENT AS APPLIED IN GRAMS PER LITER (g/l) OF MATERIALS USED FOR LOW-SOLIDS COATINGS;

   C. VOC CONTENT AS APPLIED IN g/l OF COATING, LESS WATER AND EXEMPT SOLVENT, FOR OTHER COATING.

Emissions And Requirements:

2. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATION:

   VOC: RULE 1113, SEE APPENDIX B FOR EMISSION LIMITS
   VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE
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RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, COOLING TOWERS.

Emissions And Requirements:

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

   CR^{+6}: RULE 1404

FACILITY PERMIT TO OPERATE
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RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, AIR CONDITIONING UNITS.

Emissions And Requirements:

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATION:

REFRIGERANT:	RULE 1415
REFRIGERANT:	40CFR 82 SUBPART F

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RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, PRINTING EQUIPMENT, LOW USE OR EMISSIONS WITH RELATED COATING, LAMINATING AND DRYING EQUIPMENT.

Emissions And Requirements:

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATION:

   VOC: RULE 1131.1, SEE APPENDIX B FOR EMISSION LIMITS
   VOC: RULE 1171, SEE APPENDIX B FOR EMSSIONS LIMITS

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RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, COMPRESSION MOLDING, HAND LAY-UP, BRUSH AND ROLL UP RESIN OPERATIONS.

Emissions And Requirements:

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATION:

   VOC: RULE 1162, SEE APPENDIX B FOR EMISSION LIMITS
   VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS
   HAP: 40CFR 63 SUBPART WWWW, SEE APPENDIX B FOR EMISSION LIMITS

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RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, LAMINATING, LOW USE OR EMISSIONS

Emissions And Requirements:

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATION:

   VOC: RULE 1168, SEE APPENDIX B FOR EMISSION LIMITS
   VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

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RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, HAND WIPING OPERATION.

Emissions And Requirements:

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATION:

   VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE
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RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, BELT SANDERS VENTED TO A BAGHOUSE.

Emissions And Requirements:

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATION:

   PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE
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RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, ABRASIVE BLASTING (SHOT PEENING) SYSTEM WITH INTEGRAL CONTROL.

Emissions And Requirements:

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATION:

   PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
   PM: RULE 405, SEE APPENDIX B FOR EMISSION LIMITS
   PM: RULE 1140, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE
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RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, POLYURETHANE FOAM APPLICATION OPERATIONS.

Emissions And Requirements:

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATION:

   VOC: RULE 1175, SEE APPENDIX B FOR EMISSION LIMITS

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SECTION E: ADMINISTRATIVE CONDITIONS

The operating conditions in this section shall apply to all permitted equipment at this facility unless superseded by condition(s) listed elsewhere in this permit.

1. The permit shall remain effective unless this permit is suspended, revoked, modified, reissued, denied, or it is expired for nonpayment of permit processing or annual operating fees. [201, 203, 209, 301]

    a. The permit must be renewed annually by paying annual operating fees, and the permit shall expire if annual operating fees are not paid pursuant to requirements of Rule 301(d). [301(d)]
    b. The Permit to Construct listed in Section H shall expire one year from the Permit to Construct issuance date, unless a Permit to Construct extension has been granted by the Executive Officer or unless the equipment has been constructed and the operator has notified the Executive Officer prior to the operation of the equipment, in which case the Permit to Construct serves as a temporary Permit to Operate. [202, 205]
    c. The Title V permit shall expire as specified under Section K of the Title V permit. The permit expiration date of the Title V facility permit does not supercede the requirements of Rule 205. [205, 3004]

2. The operator shall maintain all equipment in such a manner that ensures proper operation of the equipment. [204]

3. This permit does not authorize the emissions of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules and Regulations of the AQMD. This permit cannot be considered as permission to violate existing laws, ordinances, regulations, or statues of other governmental agencies. [204]

4. The operator shall not use equipment identified in this facility permit as being connected to air pollution control equipment unless they are so vented to the identified air pollution control equipment which is in full use and which has been included in this permit. [204]

5. The operator shall not use any equipment having air pollution control device(s) incorporated within the equipment unless the air pollution control device is in full operation. [204]

6. The operator shall maintain records to demonstrate compliance with rules or permit conditions that limit equipment operating parameters, or the type or quantity of material processed. These records shall be made available to AQMD personnel upon request and be maintained for at least five years. [204]

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SECTION E: ADMINISTRATIVE CONDITIONS

7. The operator shall maintain and operate all equipment to ensure compliance with all emission limits as specified in this facility permit. Compliance with emission limits shall be determined according to the following specifications, unless otherwise specified by AQMD rules or permit conditions: [204]

   a. For internal combustion engines and gas turbines, measured concentrations shall be corrected to 15 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1110.2, 1134]
   b. For other combustion devices, measured concentrations shall be corrected to 3 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1146, 1146.1, 204]
   c. For non-combustion sources, compliance with emission limits shall be determined and averaged over a period of 60 minutes; [204]
   d. For the purpose of determining compliance with Rule 407, carbon monoxide (CO) shall be measured on a dry basis and be averaged over 15 consecutive minutes, and sulfur compounds which would exist as liquid or gas at standard conditions shall be calculated as sulfur dioxide (SO2) and be averaged over 15 consecutive minutes; [407]
   e. For the purpose of determining compliance with Rule 409, combustion contaminant emission measurements shall be corrected to 12 percent of carbon dioxide (CO2) at standard conditions and averaged over a minimum of 15 consecutive minutes. [409]
   f. For the purpose of determining compliance with Rule 475, combustion contaminant emission measurements shall be corrected to 3 percent of oxygen (O2) at standard conditions and averaged over 15 consecutive minutes or any other averaging time specified by the Executive Officer. [475]

8. The operator shall, when a source test is required by AQMD, provide a source test protocol to AQMD no later than 60 days before the proposed test date. The test shall not commence until the protocol is approved by AQMD. The test protocol shall contain the following information: [204, 304]

   a. Brief description of the equipment tested.
   b. Brief process description, including maximum and normal operating temperatures, pressures, throughput, etc.
   c. Operating conditions under which the test will be performed.
   d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts and stacks at the sampling locations, and distances of flow disturbances, (e.g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream)
      .

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SECTION E: ADMINISTRATIVE CONDITIONS

e. Brief description of sampling and analytical methods used to measure each pollutant, temperature, flow rates, and moisture.
f. Description of calibration and quality assurance procedures.
g. Determination that the testing laboratory qualifies as an "independent testing laboratory" under Rule 304 (conflict of interest).

9. The operator shall submit a report no later than 60 days after conducting a source test, unless otherwise required by AQMD rules or equipment-specific conditions. The report shall contain the following information: [204]

a. The results of the source test.
b. Brief description of the equipment tested.
c. Operating conditions under which the test was performed.
d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts and stacks at the sampling locations, and distances of flow disturbances, (e.g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream) .
e. Field and laboratory data forms, strip charts and analyses.
f. Calculations for volumetric flow rates, emission rates, control efficiency, and overall control efficiency.

10. The operator shall, when a source test is required, provide and maintain facilities for sampling and testing. These facilities shall comply with the requirements of AQMD Source Test Method 1.1 and 1.2. [217]

11. Whenever required to submit a written report, notification or other submittal to the Executive Officer, AQMD, or the District, the operator shall mail or deliver the material to: Deputy Executive Officer, Engineering and Compliance, AQMD, 21865 E. Copley Drive, Diamond Bar, CA 91765-4182. [204]

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SECTION F: RECLAIM Monitoring and Source Testing Requirements

NOT APPLICABLE

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SECTION G: Recordkeeping and Reporting Requirements for RECLAIM Sources

NOT APPLICABLE

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SECTION I: PLANS AND SCHEDULES

This section lists all plans approved by AQMD for the purposes of meeting the requirements of applicable AQMD rules specified below. The operator shall comply with all conditions specified in the approval of these plans.

Documents pertaining to the plan applications listed below are available for public review at AQMD Headquarters. Any changes to plan applications will require permit modification in accordance with Title V permit revision procedures.

List of approved plans:

Application	Rule
485445	1110.2

NOTE: This section does not list compliance schedules pursuant to the requirements of Regulation XXX - Title V Permits; Rule 3004(a)(10)(C). For equipment subject to a variance, order for abatement, or alternative operating condition granted pursuant to Rule 518.2, equipment specific conditions are added to the equipment in Section D or H of the permit.

Inspection and Monitoring (I&M) Plan
for an
Internal Combustion Engine Driving an Air Compressor

Cambro Manufacturing Company

Kent D. Adams, P. E.

September 22, 2009

Fuel: Natural Gas
Permit Number: F19915
Address: 7601 Clay Ave, Huntington Beach, CA, 92648

This plan is a requirement of SCAQMD Rule 1110.2, which regulates the operation of stationary and portable internal combustion engines. Cambro Manufacturing Company operates a stationary internal combustion engine to drive an air compressor that provides compressed air to the manufacturing processes in the plant.

This unit is a Caterpillar 8-cylinder industrial engine, model G3408SITA, fueled by natural gas. The engine is turbocharged and has an aftercooler. The engine is equipped with a catalytic converter and air/fuel ratio controller.

1. Definitions

    a. "ΔT" means the difference of the inlet and outlet exhaust temperatures.
    b. "AFRC" means air/fuel ratio controller.
    c. "Breakdown" means a mechanical or electrical failure that could not have been prevented.
    d. "Certified contractor" means a person who has successfully completed a training program approved by the SCAQMD and has received a certificate issued by SCAQMD.
    e. "MAP" means manifold air pressure.
    f. "Oxygen sensor" means a device installed in the exhaust stream of the engine that sends a voltage signal to the AFRC.
    g. "Portable analyzer" means a portable device used to test the emissions in the exhaust stream of an engine.
    h. "RPM" means revolutions per minute.
    i. "SCAQMD" means the South Coast Air Quality Management District.

2. Engine Operating Parameters

    The engine emission control system uses an oxygen sensor to supply a voltage signal to the AFRC. The AFRC is set to a certain setpoint automatically

determined based on RPM and MAP. The AFRC compares the voltage from the oxygen sensor to the setpoint and adjusts the air/fuel mixture by increasing or reducing fuel flow.

a. Establishing setpoint for the AFRC using a Portable Analyzer for the minimum, midpoint and maximum loads that occur during normal operation.
    i. Run the engine / compressor at normal plant air load. Normal load should be about 12.7 psi manifold air pressure (MAP) at about 1400 RPM, plus or minus 10%.
    ii. Use the setpoint as automatically set by the AFRC.
    iii. Use the portable analyzer to check the emissions.
    iv. Manually adjust the setpoint to the setting that yields the best balance of NOx and CO emissions.

b. Verifying that the AFRC is controlling the engine to the set point.
    i. On the AFRC display, scroll to the sensor target.
    ii. Look at the target reading.
    iii. Scroll to sensor value.
    iv. Look at sensor value reading.
    v. If the sensor value is nearly the same as the sensor target, the AFRC is controlling the engine to the set point.

c. Procedure for re-establishing the AFRC setpoint after oxygen sensor replacement.

    Oxygen sensors shall be replaced every 2000 hours. To re-establish the set point after oxygen sensor replacement, follow the procedure in paragraph (2) (a). This procedure shall be followed whenever a set point must be re-adjusted, or within 24 hours after replacement of an oxygen sensor. After an oxygen sensor is replaced, the set point shall be re-established again between 100 and 150 hours after oxygen sensor replacement.

d. The engine shall be operated so that the exhaust temperature at the catalyst inlet never exceeds 1250 °F.

3. Alerting the Maintenance Department to emission control malfunctions

The air-fuel ratio controller is equipped with a malfunction indicator light and an audible alarm. During daily monitoring, the Facilities Technician shall be watchful for an indication of any malfunction or alarm condition. If any such condition is detected, the Facilities Technician shall notify Maintenance Department Management immediately. The maintenance manager shall immediately respond to the air compressor and attempt to diagnose the problem.

If necessary, the Maintenance manager shall contact the Environmental Engineer. If the Maintenance Manager and/or Environmental Engineer determine the cause of the malfunction, they shall correct the malfunction and continue running the engine. If they cannot determine the cause of the problem or cannot correct the malfunction within one hour, the Maintenance Manager shall shut down the engine and start up the electric air compressor. The Maintenance Manager shall then call the outside currently engaged maintenance contractor to attempt diagnosis of the problem. The engine shall remain shut down until the cause of the malfunction is repaired, except for running the engine as necessary for diagnosis and testing.

A list of possible malfunctions that shall be monitored by the alarm system can be found in pages 73 to 76 of the Installation and Operation Manual for MEC-R Rich Burn Air/Fuel Ratio Controller, Manual Number CCRO 090903 rev 06_01, by Compliance Controls, LLC, Tulsa Oklahoma. A brief list of these appears in Appendix B.

4. Weekly / Monthly Emission Check

Beginning on December 1, 2008, The Maintenance Department shall have a certified contractor perform weekly emission checks on the engine, using a portable analyzer. After three consecutive checks showing compliance, the emission checks may be done monthly. If there is a non-compliant emission check, the weekly emission checks shall resume. If an oxygen sensor replaced, the weekly emission checks shall resume. After three consecutive checks showing compliance, the emission checks may return to a monthly schedule. Emission checks shall be done according to the following.

a. The portable analyzer testing shall be performed by the Southern California Gas Company. Gas Company personnel have undergone SCAQMD portable analyzer training and have been certified in the use of their analyzer equipment.

b. The portable analyzer equipment shall be calibrated according to the proper calibration schedule and procedures as recommended in the analyzer equipment manufacturer's manual, and in the document entitled "Protocol for the Periodic Monitoring of NOx, CO, and O_2 from Stationary Engines Subject to SCAQMD Rule 1110.2". The SCAQMD protocol forms 1, 2, 3, and 4 shall be used.

c. The portable analyzer equipment shall measure both NO and NO_2.

d. Portable analyzer test printouts shall be stapled to the SCAQMD Form 3 and shall be filed in the Environmental Engineer's office for 5 years.

5. Daily / Monthly Monitoring

Each day that the engine is running, the Facilities Technician shall conduct an inspection of the engine, control panel, AFRC controls, and strip chart recorder. The following information shall be recorded on a log sheet (See Appendix A), or will be automatically logged by the strip chart recorder. Data shall be logged on one log sheet per month.

a. Type of fuel used and fuel meter reading.
b. Engine load, indicated by RPM and MAP.
c. The difference of the inlet and outlet exhaust temperatures (ΔT, °F).
d. Any observable faults or alarms.
e. Engine operating hours.
f. Engine operating hours since the last emission check.
g. AFRC target, pre-catalyst and post-catalyst.
h. Oxygen sensor value, pre-catalyst and post-catalyst.
i. Hours of operation since the last source test.

The strip chart recorder continuously records the temperature of the exhaust gases at the inlet and outlet of the catalyst bed. Minimum and maximum acceptable catalyst temperature are 750° F and 1350° F. The Facilities Technician, during his daily inspection, shall review the record of the inlet and outlet temperatures. If there is any deviation from acceptable temperature range, the Facilities Technician shall notify the manager of Maintenance immediately.

Manufacturer's specifications do not require monitoring of temperature increase (ΔT) or pressure differential (ΔP) across the catalyst bed. Therefore, these data are not monitored.

The catalyst manufacturer's specifications recommend that the catalyst be cleaned every 8000 to 12,000 hours. Cambro has determined that the catalyst shall be inspected and cleaned every 6240 hours. During his daily monitoring, the Facilities Technician shall note the elapsed engine hours on the log. When the elapsed hours approach 6240 hours since the last cleaning, the Facilities Technician shall notify the Maintenance Manager. The maintenance manager shall call the currently engaged emission control maintenance contractor to change out the catalyst and have the removed catalyst sent out for cleaning.

6. Responding to problems

a. Breakdown resulting in a violation of rule or permit condition:

The Maintenance Department shall investigate and attempt to diagnose a problem as soon as possible. Maintenance shall attempt to correct the problem while the engine is running. If the problem cannot be corrected

within 24 hours, the Maintenance Manager shall shut down the engine, and shall call the currently engaged maintenance contractor. After the problem is corrected, compliance shall be verified with an emission check.

b. Emission check that finds excess emissions:

Upon discovery of excess emissions during an emission check, the currently engaged emission control maintenance contractor conducting the emission check shall investigate and attempt to diagnose the problem as soon as possible. The contractor shall attempt to correct the problem while the engine is running. If the problem cannot be corrected within 24 hours, the engine shall be shut down, and the contractor shall continue to investigate the problem until it is resolved. After the problem is corrected, compliance shall be verified with another emission check.

c. Faults, malfunctions, or alarms

Whenever a fault, malfunction or alarm occurs, the Maintenance Department shall investigate and attempt to diagnose the problem as soon as possible. Maintenance shall attempt to correct the problem while the engine is running. If the problem cannot be corrected by Maintenance, the manager of Maintenance shall call the currently engaged certified emission control maintenance contractor. If the problem cannot be corrected within 48 hours, the engine shall be shut down, and the contractor shall continue to investigate the problem until it is resolved. After the problem is corrected, compliance shall be verified with an emission check.

7. Maintenance

a. Preventative Maintenance

Preventative maintenance on mechanical aspects of the engine shall be done in accordance with the existing Maintenance Department preventative maintenance program. The Maintenance Manager shall be responsible for initiating these maintenance activities. Preventative maintenance activities shall be conducted as follows:

i. Change oil and replace oil filter – 750 hours
ii. Replace air filter – 750 hours
iii. Replace fuel filter – 750 hours
iv. Replace spark plugs – 750 hours
v. Adjust valves – 750 hours

vi. Check coils, replace if necessary – 750 hours
vii. Check electronic ignition module – 750 hours
viii. General inspection of engine – 750 hours
ix. Replace coolant hoses – once per year
x. Replace oil hoses – once per year

All engine maintenance work shall be done by the currently engaged engine maintenance contractor, as determined by the Maintenance Manager and the Purchasing Department.

Preventative maintenance on the emission control system shall be incorporated into the Maintenance Department preventative maintenance program and shall be done as follows:

i. The catalyst shall be removed and cleaned as necessary, based on engine monitoring.
ii. Oxygen sensors shall be replaced every 2000 hours

The currently engaged engine maintenance contractor shall document all engine preventative maintenance activities in written reports provided to the Maintenance Manager. The Maintenance Manager shall keep these reports on file in his office for 5 years. The contractor and Maintenance Manager shall ensure that maintenance reports include engine operating hours, and a description of what was done and why the work was done.

The currently engaged emission control system maintenance contractor shall document all emission control system preventative maintenance activities in written reports provided to the Maintenance Manager. The Maintenance Manager shall keep these reports on file in his office for 5 years. The contractor and Maintenance Manager shall ensure that maintenance reports include engine operating hours, and a description of what was done and why the work was done.

b. Corrective Maintenance

Corrective maintenance shall be performed in the event of a mechanical problem with the engine, or in the event of a breakdown, finding of excess emissions, fault, alarm, or parameter out of range.

The currently engaged engine maintenance contractor shall document all engine corrective maintenance activities in written reports provided to the Maintenance Manager. The Maintenance Manager shall keep these reports on file in his office for 5 years. The contractor and Maintenance Manager shall ensure that maintenance reports include engine operating hours, and a description of what was done and why the work was done.

The currently engaged emission control system maintenance contractor shall document all emission control system corrective maintenance activities in written reports provided to the Maintenance Manager. The Maintenance Manager shall keep these reports on file in his office for 5 years. The contractor and Maintenance Manager shall ensure that maintenance reports include engine operating hours, and a description of what was done and why the work was done.

8. Reporting Non-Compliance

   a. In the event of a breakdown resulting in release of excess emissions, the Maintenance Department shall make a report to the SCAQMD, by telephone (800-288-7664), within one hour of the occurrence of the breakdown. The information reported shall include:

      i. Time of occurrence
      ii. Location (address)
      iii. Equipment type
      iv. Phone number of responsible party
      v. Cause of the problem (if known)
      vi. Estimated time required to repair the problem

   b. As soon as possible, the Maintenance Department shall notify the Environmental Engineer that a breakdown has occurred.

   c. Within seven calendar days after the breakdown has been corrected, but no later than 30 days after the occurrence of the breakdown, the Environmental Engineer shall submit a written report to the SCAQMD, which includes:

      i. Identification of the equipment involved
      ii. Duration of the breakdown
      iii. Date of correction of the problem
      iv. Information demonstrating that compliance was achieved
      v. Type of excess emissions that were emitted
      vi. Calculation of excess emissions that were emitted
      vii. Description of the condition causing the breakdown
      viii. Information stating what steps were taken to correct the condition causing the breakdown, and to minimize emissions
      ix. Description of corrective measures taken to prevent such a breakdown in the future

   d. At the end of each calendar quarter, the Environmental Engineer shall submit a report to SCAQMD that lists each occurrence of a breakdown,

fault, malfunction, alarm, operating parameter out of range, or an emission check finding excess emissions. The report shall be submitted to SCAQMD no later than 15 days after the end of the quarter. The report shall present the following information about each incident:

i. Time of the incident.
ii. The time Maintenance learned of the incident.
iii. Location of equipment.
iv. Type of equipment.
v. Name and phone number of responsible party.
vi. Cause of the incident.
vii. Time of corrective action.
viii. Description of corrective action.
ix. Results of all emission checks done before and after the corrective action.
x. If no incidents occurred, the Environmental Engineer shall so report.

9. Recordkeeping

All data, logs, test reports and any other information required by Rule 1110.2 shall be maintained in the Environmental Engineer's office for at least 5 years. Such information shall be made available for inspection by SCAQMD.

10. Plan Revisions

Before any change in this I&M Plan is implemented, the revised plan shall be submitted to and approved by SCAQMD. The procedure for this shall be as follows:

a. Determine what change is necessary in the I&M Plan.
b. Create a written revised version of the Plan.
c. Fill out the appropriate SCAQMD form for revision of a compliance plan.
d. Attach a check made out to SCAQMD for the currently required fee for plan revisions.
e. Mail the revised plan and check to SCAQMD.
f. Do not implement the new plan until the District has approved it.

Appendix A

Natural Gas Engine
Daily / Monthly Monitoring Log

Permit Number: F19915 Name of person doing monitoring: _____
Fuel: Natural Gas
Month: _____ Year: _____

Date	Time	Fuel	RPM	MAP	Temp Diff	Fault	Hours	Target (Left)	Target (Post)	Value (Left)	Value (Post)	EC Done

Date of last source test: _____
Cumulative hours of operation since the last source test – See strip chart record
Catalytic Converter Inlet and outlet temperatures – See strip chart record.

Appendix B

List of Malfunctions Monitored by the Alarm System

MAP High Pressure
MAP Low Pressure
Thermocouple 1 or 2 Open
Thermocouple 1 or 2 High Temp
Thermocouple 1 or 2 Low Temp
CJC High Voltage
CJC Low Voltage
MAT High Voltage
MAT Low Voltage
MAT High Temp Pre-Alarm
MAT High Temp Alarm
BP High Pressure
BP Low Pressure
Voltage High
Voltage Low
Max Govern Speed Override
5VE High Voltage
5VE Low Voltage
Fuel Rev Limit
Spark Rev Limit
AL High Left or Right Bank
AL Low Left or Right Bank
CL High Left or Right Bank
CL Low Left or Right Bank
EGO Fault Left, Right or Post Catalyst
COP Failure
Invalid Interrupt
UEGO Heater Supply High Voltage
UEGO Heater Supply Low Voltage
A/D Loss
RT1 Loss
RT2 Loss
RT3 Loss
Flash Checksum Invalid
RAM Failure
High HEGO Sensor Voltage
HEGO Sensor Voltage Low

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SECTION J: AIR TOXICS
[40CFR 63 Subpart WWWW 4-21-2003]

NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR REINFORCED PLASTIC COMPOSITES PRODUCTION.

1. The operator shall comply with all applicable requirements of 40 CFR 63, Subpart WWWW – National Emission Standards for Reinforced Plastic Composites Production and 40 CFR 63, Subpart A - General Provisions by the compliance dates that are specified in these subparts.

2. The operator shall determine the appropriate organic HAP emission factors and calculate the facility's organic HAP emissions from all reinforced plastic composites production operations pursuant to Section 63.5796, 63.5797, 63.5798, and 63.5799.

3. The operator shall comply with all applicable requirements of this subpart by the compliance dates that are specified in Section 63.5800.

4. The operator shall comply with all applicable standards specified in Section 63.5805 by using one of the options identified in Section 63.5810, 63.5820, or 63.5830 for each reinforced plastic composites production operation.

5. The operator shall comply with all applicable work practice standards and startup, shutdown, and malfunction requirements pursuant to Section 63.5835.

6. The operator shall conduct all performance tests, performance evaluations, design evaluations, capture efficiency testing, and other compliance demonstrations that are required by this subpart pursuant to Section 63.5840, 63.5845, 63.5850, 63.5855, and 63.5860.

7. For continuous lamination/casting operations, the operator shall comply with all applicable requirements of emission factor, percent reduction, and capture efficiency calculations procedures pursuant to Section 63.5865, 63.5870, 63.5875, 63.5880, 63.5885, and 63.5890.

8. The operator shall monitor and collect all required data pursuant to Section 63.5895 and demonstrate continuous compliance with all standards specified in Section 63.5805 pursuant to Section 63.5900.

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SECTION J: AIR TOXICS
[40CFR 63 Subpart WWWW 4-21-2003]

9. The operator shall comply with all applicable notification requirements that are specified in Section 63.5905 of this subpart and 40 CFR 63, Subpart A.

10. The operator shall comply with all applicable reporting requirements that are specified in Section 63.5910.

11. The operator shall keep all required records pursuant to Section 63.5915 and 63.5920 of this subpart and 40 CFR 63, Subpart A to demonstrate compliance with all applicable requirements. In addition, all records including data, calculations, and any supporting documentation shall be prepared in a format which is acceptable to the AQMD.

12. Alternative plans, compliance plans, and the construction and operation of new or modified air pollution control equipment that are required by this subpart shall be approved through the AQMD permit system.

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SECTION K: TITLE V Administration

GENERAL PROVISIONS

1. This permit may be revised, revoked, reopened and reissued, or terminated for cause, or for failure to comply with regulatory requirements, permit terms, or conditions. [3004(a)(7)(C)]

2. This permit does not convey any property rights of any sort or any exclusive privilege. [3004(a)(7)(E)]

Permit Renewal and Expiration

3. (A) Except for solid waste incineration facilities subject to standards under Section 129(e) of the Clean Air Act, this permit shall expire five years from the date that this Title V permit is issued. The operator's right to operate under this permit terminates at midnight on this date, unless the facility is protected by an application shield in accordance with Rule 3002(b), due to the filing of a timely and complete application for a Title V permit renewal, consistent with Rule 3003. [3004(a)(2), 3004(f)]

   (B) A Title V permit for a solid waste incineration facility combusting municipal waste subject to standards under Section 129(e) of the Clean Air Act shall expire 12 years from the date of issuance unless such permit has been renewed pursuant to this regulation. These permits shall be reviewed by the Executive Officer at least every five years from the date of issuance. [3004(f)(2)]

4. To renew this permit, the operator shall submit to the Executive Officer an application for renewal at least 180 days, but not more than 545 days, prior to the expiration date of this permit. [3003(a)(6)]

Duty to Provide Information

5. The applicant for, or holder of, a Title V permit shall furnish, pursuant to Rule 3002(d) and (e), timely information and records to the Executive Officer or designee within a reasonable time as specified in writing by the Executive Officer or designee. [3004(a)(7)(F)]

Payment of Fees

6. The operator shall pay all required fees specified in Regulation III - Fees. [3004(a)(7)(G)]

Reopening for Cause

7. The Executive Officer will reopen and revise this permit if any of the following circumstances occur:

   (A) Additional regulatory requirements become applicable with a remaining permit term of three or more years. Reopening is not required if the effective date of the requirement is later than the expiration date of this permit, unless the permit or any of its terms and conditions has been extended pursuant to paragraph (f)(4) of Rule 3004.

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(B) The Executive Officer or EPA Administrator determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.

(C) The Executive Officer or EPA Administrator determines that the permit must be revised or revoked to assure compliance with the applicable requirements. [3005(g)(1)]

COMPLIANCE PROVISIONS

8. The operator shall comply with all regulatory requirements, and all permit terms and conditions, except:

(A) As provided for by the emergency provisions of condition no. 17 or condition no. 18, or

(B) As provided by an alternative operating condition granted pursuant to a federally approved (SIP-approved) Rule 518.2.

Any non-compliance with any federally enforceable permit condition constitutes a violation of the Federal Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or revision; or denial of a permit renewal application. Non-compliance may also be grounds for civil or criminal penalties under the California State Health and Safety Code. [3004(a)(7)(A)]

9. The operator shall allow the Executive Officer or authorized representative, upon presentation of appropriate credentials to:

(A) Enter the operator's premises where emission-related activities are conducted, or records are kept under the conditions of this permit;

(B) Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;

(C) Inspect at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and

(D) Sample or monitor at reasonable times, substances or parameters for the purpose of assuring compliance with the facility permit or regulatory requirements. [3004(a)(10)(B)]

10. All terms and conditions in this permit, including any provisions designed to limit a facility's potential to emit, are enforceable by the EPA Administrator and citizens under the federal Clean Air Act, unless the term or condition is designated as not federally enforceable. Each day during any portion of which a violation occurs is a separate offense. [3004(g)]

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11. A challenge to any permit condition or requirement raised by EPA, the operator, or any other person, shall not invalidate or otherwise affect the remaining portions of this permit. [3007(b)]

12. The filing of any application for a permit revision, revocation, or termination, or a notification of planned changes or anticipated non-compliance does not stay any permit condition. [3004(a)(7)(D)]

13. It shall not be a defense for a person in an enforcement action, including those listed in Rule 3002(c)(2), that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit, except as provided for in "Emergency Provisions" of this section. [3004(a)(7)(H)]

14. The operator shall not build, erect, install, or use any equipment, the use of which, without resulting in a reduction in the total release of air contaminants to atmosphere, reduces or conceals an emission which would otherwise constitute a violation of Chapter 3 (commencing with Section 41700) of Part 4, of Division 26 of the California Health and Safety Code or of AQMD rules. This rule shall not apply to cases in which the only violation involved is of Section 41700 of the California Health and Safety Code, or Rule 402 of AQMD Rules. [408]

15. Nothing in this permit or in any permit shield can alter or affect:

    (A) Under Section 303 of the federal Clean Air Act, the provisions for emergency orders;

    (B) The liability of the operator for any violation of applicable requirements prior to or at the time of permit issuance;

    (C) The applicable requirements of the Acid Rain Program, Regulation XXXI;

    (D) The ability of EPA to obtain information from the operator pursuant to Section 114 of the federal Clean Air Act;

    (E) The applicability of state or local requirements that are not "applicable requirements", as defined in Rule 3000, at the time of permit issuance but which do apply to the facility, such as toxics requirements unique to the State; and

    (F) The applicability of regulatory requirements with compliance dates after the permit issuance date. [3004(c)(3)]

16. For any portable equipment that requires an AQMD or state permit or registration, excluding a) portable engines, b) military tactical support equipment and c) AQMD-permitted portable equipment that are not a major source, are not located at the facility for more than 12 consecutive months after

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commencing operation, and whose operation does not conflict with the terms or conditions of this Title V permit: 1) the facility operator shall keep a copy of the AQMD or state permit or registration; 2) the equipment operator shall comply with the conditions on the permit or registration and all other regulatory requirements; and 3) the facility operator shall treat the permit or registration as a part of its Title V permit, subject to recordkeeping, reporting and certification requirements. [3004(a)(1)]

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EMERGENCY PROVISIONS

17. An emergency[1] constitutes an affirmative defense to an action brought for non-compliance with a technology-based emission limit only if:

    (A) Properly signed, contemporaneous operating records or other credible evidence demonstrate that:

        (1) An emergency occurred and the operator can identify the cause(s) of the emergency;

        (2) The facility was operated properly (i.e. operated and maintained in accordance with the manufacturer's specifications, and in compliance with all regulatory requirements or a compliance plan), before the emergency occurred;

        (3) The operator took all reasonable steps to minimize levels of emissions that exceeded emissions standard, or other requirements in the permit; and,

        (4) The operator submitted a written notice of the emergency to the AQMD within two working days of the time when the emissions limitations were exceeded due to the emergency. The notice shall contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken; and

    (B) The operator complies with the breakdown provisions of Rule 430 - Breakdown Provisions, or subdivision (i) of Rule 2004 - Requirements, whichever is applicable. [3002(g), 430, 2004(i)]

18. The operator is excused from complying with any regulatory requirement that is suspended by the Executive Officer during a state of emergency or state of war emergency, in accordance with Rule 118 - Emergencies. [118]

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1 "Emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the operator, including acts of God, which: (A) requires immediate corrective action to restore normal operation; and (B) causes the facility to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency; and (C) is not caused by improperly designed equipment, lack of preventative maintenance, careless or imporper operation, or operator error.

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RECORDKEEPING PROVISIONS

19. In addition to any other recordkeeping requirements specified elsewhere in this permit, the operator shall keep records of required monitoring information, where applicable, that include:

    (A) The date, place as defined in the Title V permit, and time of sampling or measurements;

    (B) The date(s) analyses were performed;

    (C) The company or entity that performed the analyses;

    (D) The analytical techniques or methods used;

    (E) The results of such analyses; and

    (F) The operating conditions as existing at the time of sampling or measurement. [3004(a)(4)(B)]

20. The operator shall maintain records pursuant to Rule 109 and any applicable material safety data sheet (MSDS) for any equipment claimed to be exempt from a written permit by Rule 219 based on the information in those records. [219(t)]

21. The operator shall keep all records of monitoring data required by this permit or by regulatory requirements for a period of at least five years from the date of the monitoring sample, measurement, report, or application. [3004(a)(4)(E)]

REPORTING PROVISIONS

22. The operator shall comply with the following requirements for prompt reporting of deviations:

    (A) Breakdowns shall be reported as required by Rule 430 - Breakdown Provisions or subdivision (i) of Rule 2004 - Requirements, whichever is applicable.

    (B) Other deviations from permit or applicable rule emission limitations, equipment operating conditions, or work practice standards, determined by observation or by any monitoring or testing required by the permit or applicable rules that result in emissions greater than those allowed by the permit or applicable rules shall be reported within 72 hours (unless a shorter reporting period is specified in an applicable State or Federal Regulation) of discovery of the deviation by contacting AQMD enforcement personnel assigned to this facility or otherwise calling (800) CUT-SMOG.

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(C) A written report of such deviations reported pursuant to (B), and any corrective actions or preventative measures taken, shall be submitted to AQMD, in an AQMD approved format, within 14 days of discovery of the deviation.

(D) All other deviations shall be reported with the monitoring report required by condition no. 23. [3004(a)(5)]

23. Unless more frequent reporting of monitoring results are specified in other permit conditions or in regulatory requirements, the operator shall submit reports of any required monitoring to the AQMD at least twice per year. The report shall include a) a statement whether all monitoring required by the permit was conducted; and b) identification of all instances of deviations from permit or regulatory requirements. A report for the first six calendar months of the year is due by August 31 and a report for the last six calendar months of the year is due by February 28. [3004(a)(4)(F)]

24. The operator shall submit to the Executive Officer and to the Environmental Protection Agency (EPA), an annual compliance certification. For RECLAIM facilities, the certification is due when the Annual Permit Emissions Program (APEP) report is due and shall cover the same reporting period. For other facilities, the certification is due on March 1 for the previous calendar year. The certification need not include the period preceding the date the initial Title V permit was issued. Each compliance certification shall include:

(A) Identification of each permit term or condition that is the basis of the certification;

(B) The compliance status during the reporting period;

(C) Whether compliance was continuous or intermittent;

(D) The method(s) used to determine compliance over the reporting period and currently, and

(E) Any other facts specifically required by the Executive Officer to determine compliance.

The EPA copy of the certification shall be sent to: Director of the Air Division Attn: Air-3 USEPA, Region IX 75 Hawthorne St. San Francisco, CA 94105 [3004(a)(10)(E)]

25. All records, reports, and documents required to be submitted by a Title V operator to AQMD or EPA shall contain a certification of accuracy consistent with Rule 3003(c)(7) by a responsible official (as defined in Rule 3000). [3004(a)(12)]

FACILITY PERMIT TO OPERATE
CAMBRO MANUFACTURING CO

SECTION K: TITLE V Administration

PERIODIC MONITORING

26. All periodic monitoring required by this permit pursuant to Rule 3004(a)(4)(c) is based on the requirements and justifications in the AQMD document "Periodic Monitoring Guidelines for Title V Facilities" or in case-by-case determinations documented in the Title V application file. [3004(a)(4)]

FACILITY PERMIT TO OPERATE
CAMBRO MANUFACTURING CO

SECTION K: TITLE V Administration

FACILITY RULES

This facility is subject to the following rules and regulations:

With the exception of Rule 402, 473, 477, 1118 and Rules 1401 through 1420, the following rules that are designated as non-federally enforceable are pending EPA approval as part of the state implementation plan. Upon the effective date of that approval, the approved rule(s) will become federally enforceable, and any earlier versions of those rules will no longer be federally enforceable.

RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
RULE 1110.2	11-14-1997	Non federally enforceable
RULE 1113	11-8-1996	Federally enforceable
RULE 1113	7-13-2007	Non federally enforceable
RULE 1130.1	12-13-1996	Federally enforceable
RULE 1140	8-2-1985	Non federally enforceable
RULE 1146.2	1-9-1998	Federally enforceable
RULE 1162	11-17-2000	Federally enforceable
RULE 1162	7-8-2005	Non federally enforceable
RULE 1168	1-7-2005	Non federally enforceable
RULE 1168	10-3-2003	Federally enforceable
RULE 1171	11-7-2003	Federally enforceable
RULE 1171	2-1-2008	Non federally enforceable
RULE 1175	5-13-1994	Federally enforceable
RULE 1175	9-7-2007	Non federally enforceable
RULE 118	12-7-1995	Non federally enforceable
RULE 1303(a)(1)-BACT	5-10-1996	Federally enforceable
RULE 1303(b)(2)-Offset	5-10-1996	Federally enforceable
RULE 1404	4-6-1990	Non federally enforceable
RULE 1415	10-14-1994	Non federally enforceable
RULE 204	10-8-1993	Federally enforceable
RULE 217	1-5-1990	Federally enforceable
RULE 219	9-4-1981	Federally enforceable
RULE 2202	11-8-1996	Non federally enforceable
RULE 3002	11-14-1997	Federally enforceable
RULE 3003	11-14-1997	Federally enforceable
RULE 3005	11-14-1997	Federally enforceable
RULE 3007	10-8-1993	Federally enforceable
RULE 304	1-14-1982	Non federally enforceable
RULE 402	5-7-1976	Non federally enforceable

FACILITY PERMIT TO OPERATE
CAMBRO MANUFACTURING CO

SECTION K: TITLE V Administration

RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
RULE 404	2-7-1986	Federally enforceable
RULE 405	2-7-1986	Federally enforceable
RULE 407	4-2-1982	Federally enforceable
RULE 408	5-7-1976	Federally enforceable
RULE 409	8-7-1981	Federally enforceable
RULE 430	7-12-1996	Non federally enforceable
40CFR 63 Subpart WWWW	4-20-2006	Federally enforceable
40CFR 63 Subpart WWWW	4-21-2003	Federally enforceable
RULE 701	6-13-1997	Federally enforceable
40CFR 82 Subpart F	5-14-1993	Federally enforceable

FACILITY PERMIT TO OPERATE
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APPENDIX A: NOX AND SOX EMITTING EQUIPMENT EXEMPT FROM WRITTEN PERMIT PURSUANT TO RULE 219

NONE

FACILITY PERMIT TO OPERATE

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APPENDIX B: RULE EMISSION LIMITS [RULE 1113 11-8-1996]

(1) Except as provided in paragraphs (c)(2), (c)(3), and (c)(4) of Rule 1113, the operator shall not supply, sell, offer for sale, apply, or solicit the application of, any architectural coating which, at the time of sale or manufacture, contains more than 250 grams of VOC per liter of coating (2.08 pounds per gallon), less water, less exempt compounds, and less any colorant added to tint bases, or manufacture, blend, or repackage such a coating for use within the District.

(2) Except as provided in paragraphs (c)(3) and (c)(4) of Rule 1113, the operator shall not supply, sell, offer for sale, apply, solicit the application of, manufacture, blend, or repackage, for use within the District, any architectural coating listed in the Table of Standards which contains VOC (excluding any colorant added to tint bases) in excess of the corresponding VOC limit specified in the table, after the effective date specified.

TABLE OF STANDARDS

VOC LIMITS

Grams of VOC Per Liter of Coating, Less Water And Less Exempt Compounds

COATING	Limit*	Effective Date of Adoption	Effective 1/1/1998	Effective 1/1/1999	Effective 7/1/2001	Effective 1/1/2005	Effective 7/1/2008
Bond Breakers	350						
Clear Wood Finishes							
Varnish	350						
Sanding Sealers	350						
Lacquer	680		550			275	
Concrete-Curing Compounds	350						
Dry-Fog Coatings	400						
Fire-proofing Exterior Coatings	350	450		350			
Fire-Retardant Coatings							
Clear	650						
Pigmented	350						
Flats	250				100		50
Graphic Arts (Sign) Coatings	500						
Industrial Maintenance							

FACILITY PERMIT TO OPERATE

CAMBRO MANUFACTURING CO

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 11-8-1996]

Primers and Topcoats							
Alkyds	420						
Catalyzed Epoxy	420						
Bituminous Coatings	420						
Materials							
Inorganic Polymers	420						
Vinyl Chloride Polymers	420						
Chlorinated Rubber	420						
Acrylic Polymers	420						
Urethane Polymers	420						
Silicones	420						
Unique Vehicles	420						
Japans/Faux Finishing	350	700		350			
Coatings							
Magnesite Cement Coatings	600			450			
Mastic Coatings	300						
Metallic Pigmented Coatings	500						
Multi-Color Coatings	420		250				
Pigmented Lacquer	680		550			275	
Pre-Treatment Wash Primers	780						
Primers, Sealers, and	350						
Undercoaters							
Quick-Dry Enamels	400						
Roof Coatings	300						
Shellac							
Clear	730						
Pigmented	550						
Stains	350						
Swimming Pool Coatings							
Repair	650						
Other	340						
Traffic Coatings	250		150				
Waterproofing Sealers	400						
Wood Preservatives							
Below-Ground	350						
Other	350						

* The specified limits remain in effect unless revised limits are listed in subsequent columns in the Table of Standards

FACILITY PERMIT TO OPERATE

CAMBRO MANUFACTURING CO

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 11-8-1996]

TABLE OF STANDARDS (cont.)

VOC LIMITS

Grams of VOC Per Liter of Material

COATING	Limit
Low-Solids Coating	120

FACILITY PERMIT TO OPERATE
CAMBRO MANUFACTURING CO

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 7-13-2007]

(1) Except as provided in paragraphs (c)(2), (c)(3), (c)(4), and specified coatings averaged under (c)(6), no person shall supply, sell, offer for sale, manufacture, blend, or repackage any architectural coating for use in the District which, at the time of sale or manufacture, contains more than 250 grams of VOC per liter of coating (2.08 pounds per gallon), less water, less exempt compounds, and less any colorant added to tint bases, and no person shall apply or solicit the application of any architectural coating within the District that exceeds 250 grams of VOC per liter of coating as calculated in this paragraph.

(2) Except as provided in paragraphs (c)(3), (c)(4), and designated coatings averaged under (c)(6), no person shall supply, sell, offer for sale, manufacture, blend, or repackage, for use within the District, any architectural coating listed in the Table of Standards which contains VOC (excluding any colorant added to tint bases) in excess of the corresponding VOC limit specified in the table, after the effective date specified, and no person shall apply or solicit the application of any architectural coating within the District that exceeds the VOC limit as specified in this paragraph. No person shall apply or solicit the application within the District of any industrial maintenance coatings, except anti-graffiti coatings, for residential use or for use in areas such as office space and meeting rooms of industrial, commercial or institutional facilities not exposed to such extreme environmental conditions described in the definition of industrial maintenance coatings; or of any rust-preventative coating for industrial use, unless such a rust preventative coating complies with the Industrial Maintenance Coating VOC limit specified in the Table of Standards.

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APPENDIX B: RULE EMISSION LIMITS [RULE 1113 7-13-2007]

TABLE OF STANDARDS
VOC LIMITS

Grams of VOC Per Liter of Coating, Less Water and Less Exempt Compounds

COATING CATEGORY	Ceiling Limit*	Current Limit	Effective Date					
			1/1/03	1/1/04	1/1/05	7/1/06	7/1/07	7/1/08
Bond Breakers	350							
Clear Wood Finishes	350					275		
Varnish	350					275		
Sanding Sealers	350					275		
Lacquer	680	550			275			
Clear Brushing Lacquer	680				275			
Concrete-Curing Compounds	350						100	
Concrete-Curing Compounds For Roadways and Bridges**	350							
Dry-Fog Coatings	400						150	
Fire-Proofing Exterior Coatings	450	350						
Fire-Retardant Coatings***								
Clear	650							
Pigmented	350							
Flats	250	100						50
Floor Coatings	420		100			50		
Graphic Arts (Sign) Coatings	500							
Industrial Maintenance (IM) Coatings	420			250		100		
High Temperature IM Coatings			420					
Zinc-Rich IM Primers	420		340			100		
Japans/Faux Finishing Coatings	700	350						
Magnesite Cement Coatings	600	450						
Mastic Coatings	300							
Metallic Pigmented Coatings	500							
Multi-Color Coatings	420	250						
Nonflat Coatings	250		150			50		
Nonflat High Gloss	250		150				50	

FACILITY PERMIT TO OPERATE

CAMBRO MANUFACTURING CO

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 7-13-2007]

COATING CATEGORY	Ceiling Limit*	Current Limit	Effective Date					
			1/1/03	1/1/04	1/1/05	7/1/06	7/1/07	7/1/08
Pigmented Lacquer	680	550			275			
Pre-Treatment Wash Primers	780		420					
Primers, Sealers, and Undercoaters	350		200			100		
Quick-Dry Enamels	400		250			150	50	
Quick-Dry Primers, Sealers, and Undercoaters	350		200			100		
Recycled Coatings			250					
Roof Coatings Roof Coatings, Aluminum	300 500		250		50 100			
Roof Primers, Bituminous	350		350					
Rust Preventative Coatings	420		400			100		
Shellac Clear Pigmented	 730 550							
Specialty Primers	350					250	100	
Stains Stains, Interior	350 250		250				100	
Swimming Pool Coatings Repair Other	 650 340		340					
Traffic Coatings	250	150					100	
Waterproofing Sealers	400		250			100		
Waterproofing Concrete/Masonry Sealers	400					100		
Wood Preservatives Below-Ground Other	 350 350							

* The specified limits remain in effect unless revised limits are listed in subsequent columns in the Table of Standards.

** Does not include compounds used for curbs and gutters, sidewalks, islands, driveways and other miscellaneous concrete areas.

*** The Fire-Retardant Coating category will be eliminated on January 1, 2007 and subsumed by the coating category for which they are formulated.

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CAMBRO MANUFACTURING CO

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 7-13-2007]

TABLE OF STANDARDS (cont.) VOC LIMITS

Grams of VOC Per Liter of Material

COATING	Limit
Low-Solids Coating	120

FACILITY PERMIT TO OPERATE

CAMBRO MANUFACTURING CO

APPENDIX B: RULE EMISSION LIMITS [RULE 1130.1 12-13-1996]

Except as otherwise provided in Rule 1130.1

(1) VOC Content of Screen Printing Materials

The operator shall not apply to any substrate any screen printing material, excluding extreme performance screen printing materials, which contains, as applied, a total amount of VOC in excess of the limits specified in subparagraphs (1)(A), (1)(B), or (1)(C). The applicable VOC limit for a screen printing operation shall be determined by first looking for the product in subparagraph (1)(A). If the product is not listed in subparagraph (1)A), look for the product's substrate in subparagraph (1)(B). If the substrate is not listed in subparagraph (1)(B), look for the applicable limit in subparagraph (1)(C).

In lieu of meeting the requirements in subparagraph (1)(C), the operator may comply with the requirements in paragraph (2) if the screen printing material qualifies for an extreme performance classification under subdivision (e) of Rule 1130.1.

(A) For screen printing coatings and inks used in the production of the following products:

PRODUCT	VOC LIMIT grams per Liter of Coating (or Ink), Less water and Less Exempt Compounds On and After December 13, 1996	
	g/L	lbs/gal
Chlorine Indicator	500	4.2
Containers	800	6.7
Electronic Circuit	850	7.1
Mechanically-Formed Products	800	6.7
Overlays	800	6.7
Polyethylene Products	800	6.7
Stained Glass Overlay	800	6.7
Sterilization Indicator	600	5.0
Sub-Printed Products	800	6.7
Water Slide Decals:		

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CAMBRO MANUFACTURING CO

APPENDIX B: RULE EMISSION LIMITS [RULE 1130.1 12-13-1996]

PRODUCT	VOC LIMIT grams per Liter of Coating (or Ink), Less water and Less Exempt Compounds	
Opaque Inks	800	6.7
Clear Inks	800	6.7
Ceramic Decal Inks	800	6.7

(B) For screen printing coatings and inks not regulated by subparagraph (1)(A) and which are applied to the following specified substrates:

SUBSTRATE	VOC LIMIT grams per Liter of Coating (or Ink), Less water and Less Exempt Compounds On and After December 13, 1996	
	g/L	lbs/gal
Ceramic	800	6.7
Fiberglass	600	5.0
Glass or Metal	600	5.0
Man-Made Textile	800	6.7
Unsealed Aluminum	800	6.7

If a substrate is regulated under more than one substrate category listed in subparagraph (1)(B), the category with the highest VOC limit shall apply.

(C) For screen printing materials not regulated by the provisions in subparagraph (1)(A) or (1)(B), which have the following material classifications:

SCREEN PRINTING MATERIAL	VOC LIMIT grams per Liter of Coating (or Ink or Adhesive), Less water and Less Exempt Compounds

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APPENDIX B: RULE EMISSION LIMITS [RULE 1130.1 12-13-1996]

	On and After December 13, 1996	
	g/L	lbs/gal
Adhesive	400	3.3
Coating	400	3.3
Fine Detail Loose-leaf Binder Ink	745	6.2
Fluorescent Ink	540	4.5
High-VOC Serigraph Ink	800	6.7
Loose-leaf Binder Metallic Ink	745	6.2
Metallic Ink	400	3.3
Printing Ink	400	3.3
Resists	600	5.0
Scratch-Off Ink	800	6.7
Water-Slide Decal Adhesive	800	6.7

If a screen printing material is regulated under more than one screen printing material category listed in subparagraph (1)(C), the category with the highest VOC limit shall apply.

(2) VOC Content of Extreme Performance Screen Printing Materials

The operator shall not apply any extreme performance screen printing material in excess of the limits specified below:

	VOC LIMIT Grams of VOC per Liter of ExtremePerformance Screen Printing Material, Less Water and Less Exempt Compounds	
	g/L	lbs/gal
On and after July 9, 1993	800	6.7
On and after January 1, 2003	400	3.3

(3) Usage of High-VOC Serigraph Inks

The total usage of high-VOC serigraph inks, as defined in paragraph (b)(23) of Rule 1130.1, shall not exceed 10 percent, (by volume), of the total usage of screen

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CAMBRO MANUFACTURING CO

APPENDIX B: RULE EMISSION LIMITS [RULE 1130.1 12-13-1996]

printing materials applied on all serigraphs at a facility, on a monthly basis, unless an approved emission control system is used to reduce emissions from high-VOC serigraph inks by an equivalent or greater level to that which would have been achieved by the use of an ink containing 3.3 pounds per gallon VOC (less water and exempt compounds). The required overall control efficiency of the emission control system shall be determined by the equation in paragraph (d)(1) of Rule 1130.1.

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APPENDIX B: RULE EMISSION LIMITS [RULE 1140 8-2-1985]

(1) The operator shall not, if he complies with an applicable performance standard in section (b)(4) of Rule 1140, discharge into the atmosphere from any abrasive blasting any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:

(A) As dark or darker in shade as that designated as No. 2 on the Ringelmann Chart, as published by the United States Bureau of Mines, or

(B) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in (1)(A).

(2) The operator shall not, if he is not complying with an applicable performance standard in section (b)(4) of Rule 1140, discharge into the atmosphere from any abrasive blasting any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:

(A) As dark or darker in shade as that designated as No. 1 on the Ringelmann Chart, as published by the United States Bureau of Mines, or

(B) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in (2)(A).

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APPENDIX B: RULE EMISSION LIMITS [RULE 1162 11-17-2000]

The operator shall not use a polyester resin material in a polyester resin operation which has a monomer content in excess of the limits specified in the Table below.

Polyester Resin Materials	Monomer Content in Polyester Resin Materials as Applied (By Weight Percent)
General Purpose Polyester Resin	35
Corrosion-Resistant	48
Fire Retardant	42
High Strength	48
Clear Gel Coat	50
Pigmented Gel Coat	45

FACILITY PERMIT TO OPERATE

CAMBRO MANUFACTURING CO

APPENDIX B: RULE EMISSION LIMITS [RULE 1162 7-8-2005]

The operator shall not use polyester resin material in an open molding system, which has a monomer content in excess of the limits specified in the following Table.

Polyester Resin Materials	Monomer Percentage by Weight as Applied	
	Prior to 11-09-2001	Current Limits
Clear Gel Coat	50	-
For Marble Resins	-	40
For Other Resins	-	44
Pigmented Gel Coat	45	-
White and Off White	-	30
Non-White	-	37
Primer	-	28
Specialty Gel Coats	-	48
General Purpose Resin	35	-
Marble Resins	-	10 or (32 % as supplied, no fillers)
Solid Surface Resins	-	17
Tub/Shower Resins	-	24 or (35 % as supplied, no fillers)
Lamination Resins	-	31 or (35 % as supplied, no fillers)
Others	-	35
Fire Retardant Resin	42	38
Corrosion Resistant Resin	48	48
High Strength Resin	48	40

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APPENDIX B: RULE EMISSION LIMITS [RULE 1168 1-7-2005]

(1) Unless otherwise specified in paragraph (c)(2), a person shall not apply any adhesives, adhesive bonding primers, adhesive primers, or any other primer which have a VOC content in excess of 250 g/L less water and less exempt compounds.

(2) A person shall not apply adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers, or any other primer which have a VOC content in excess of the limits specified below:

VOC Limit*, Less Water and Less Exempt Compounds in Grams per Liter

Architectural Applications	Current VOC Limit*
Indoor Carpet Adhesives	50
Carpet Pad Adhesives	50
Outdoor Carpet Adhesives	150
Wood Flooring Adhesive	100
Rubber Floor Adhesives	60
Subfloor Adhesives	50
Ceramic Tile Adhesives	65
VCT and Asphalt Tile Adhesives	50
Dry Wall and Panel Adhesives	50
Cove Base Adhesives	50
Multipurpose Construction Adhesives	70
Structural Glazing Adhesives	100
Single Ply Roof Membrane Adhesives	250

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CAMBRO MANUFACTURING CO

APPENDIX B: RULE EMISSION LIMITS [RULE 1168 1-7-2005]

Specialty Applications	VOC Limits and Effective Dates**			
	Current VOC Limit*	1-1-05	7-1-05	1-1-07
PVC Welding	510			
CPVC Welding	490			
ABS Welding	400		325	
Plastic Cement Welding	350	250		
Adhesive Primer for Plastic	650		550	
Computer Diskette Manufacturing	350			
Contact Adhesive	80			
Special Purpose Contact Adhesive	250			
Tire Retread	100			
Adhesive Primer for Traffic Marking Tape	150			
Structural Wood Member Adhesive	140			
Sheet Applied Rubber Lining Operations	850			
Top and Trim Adhesive	540			250

** The specified limits remain in effect unless revised limits are listed in subsequent columns.

FACILITY PERMIT TO OPERATE

CAMBRO MANUFACTURING CO

APPENDIX B: RULE EMISSION LIMITS [RULE 1168 1-7-2005]

For adhesives, adhesive bonding primers, or any other primer not regulated by the above two tables and applied to the following substrates, the following limits shall apply:

Substrate Specific Applications	Current VOC Limit*
Metal to Metal	30
Plastic Foams	50
Porous Material (except wood)	50
Wood	30
Fiberglass	80

If an adhesive is used to bond dissimilar substrates together the adhesive with the highest VOC content shall be allowed.

Sealants	Current VOC Limit*
Architectural	250
Marine Deck	760
Nonmembrane Roof	300
Roadway	250
Single-Ply Roof Membrane	450
Other	420

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CAMBRO MANUFACTURING CO

APPENDIX B: RULE EMISSION LIMITS [RULE 1168 1-7-2005]

Sealant Primers	Current VOC Limit*
Architectural	
Non Porous	250
Porous	775
Modified Bituminous	500
Marine Deck	760
Other	750

* For low-solid adhesives or sealants the VOC limit is expressed in grams per liter of material as determined in paragraph (b)(32); for all other adhesives and sealants, VOC limits are expressed as grams of VOC per liter of adhesive or sealant less water and less exempt compounds as determined in paragraph (b)(31).

FACILITY PERMIT TO OPERATE

CAMBRO MANUFACTURING CO

APPENDIX B: RULE EMISSION LIMITS [RULE 1168 10-3-2003]

(1) Unless otherwise specified in paragraph (c)(2), a person shall not apply any adhesives, adhesive bonding primers, adhesive primers, or any other primer which have a VOC content in excess of 250 g/L less water and less exempt compounds.

(2) A person shall not apply adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers, or any other primer which have a VOC content in excess of the limits specified below:

VOC Limit*, Less Water and Less Exempt Compounds in Grams per Liter

Architectural Applications	Current VOC Limit
Indoor Carpet Adhesives	50
Carpet Pad Adhesives	50
Outdoor Carpet Adhesives	150
Wood Flooring Adhesive	100
Rubber Floor Adhesives	60
Subfloor Adhesives	50
Ceramic Tile Adhesives	65
VCT and Asphalt Tile Adhesives	50
Dry Wall and Panel Adhesives	50
Cove Base Adhesives	50
Multipurpose Construction Adhesives	70
Structural Glazing Adhesives	100
Single Ply Roof Membrane Adhesives	250

* For low-solid adhesives or sealants the VOC limit is expressed in grams per liter of material as determined in paragraph (b)(32); for all other adhesives and sealants, VOC limits are expressed as grams of VOC per liter of adhesive or sealant less water and less exempt compounds as determined in paragraph (b)(31).

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CAMBRO MANUFACTURING CO

APPENDIX B: RULE EMISSION LIMITS [RULE 1168 10-3-2003]

.Specialty Applications	VOC Limits and Effective Dates**			
	Current VOC Limit	6-7-02	1-1-03	1-1-05
PVC Welding	510			285
CPVC Welding	490			270
ABS Welding	400			
Plastic Cement Welding	350			250
Adhesive Primer for Plastic	650			250
Computer Diskette Manufacturing	350			
Contact Adhesive	250		80	
Special Purpose Contact Adhesive	250			
Tire Retread	100			
Adhesive Primer for Traffic Marking Tape	150			
Structural Wood Member Adhesive	140			
Sheet Applied Rubber Lining Operations	850			
Top and Trim Adhesive	250	540		250

** The specified limits remain in effect unless revised limits are listed in subsequent columns.

Substrate Specific Applications	Current VOC Limit
Metal to Metal	30
Plastic Foams	50
Porous Material (except wood)	50

FACILITY PERMIT TO OPERATE

CAMBRO MANUFACTURING CO

APPENDIX B: RULE EMISSION LIMITS [RULE 1168 10-3-2003]

Substrate Specific Applications	Current VOC Limit
Wood	30
Fiberglass	80

If an adhesive is used to bond dissimilar substrates together the adhesive with the highest VOC content shall be allowed.

Sealants	Current VOC Limit
Architectural	250
Marine Deck	760
Nonmembrane Roof	300
Roadway	250
Single-Ply Roof Membrane	450
Other	420

Sealant Primers	Current VOC Limit
Architectural	
Non Porous	250
Porous	775
Modified Bituminous	500
Marine Deck	760
Other	750

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APPENDIX B: RULE EMISSION LIMITS [RULE 1171 11-7-2003]

(1) Solvent Requirements

A person shall not use a solvent to perform solvent cleaning operations unless the solvent complies with the applicable requirements set forth below:

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS VOC g/l (lb/gal)
(A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application	
(i) General	25 (0.21)
(ii) Electrical Apparatus Components & Electronic Components	500 (4.2)
(iii) Medical Devices & Pharmaceuticals	800 (6.7)
(B) Repair and Maintenance Cleaning	
(i) General	25 (0.21)
(ii) Electrical Apparatus Components & Electronic Components	900 (7.5)
(iii) Medical Devices & Pharmaceuticals	
(A) Tools, Equipment, & Machinery	800 (6.7)
(B) General Work Surfaces	600 (5.0)

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APPENDIX B: RULE EMISSION LIMITS [RULE 1171 11-7-2003]

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS VOC g/l (lb/gal)
(C) Cleaning of Coatings or Adhesives Application Equipment	550 (4.6)
(D) Cleaning of Ink Application Equipment	
(i) General	25 (0.21)
(ii) Flexographic Printing	25 (0.21)
(iii) Gravure Printing	
(A) Publication	750 (6.3)
(B) Packaging	25 (0.21)
(iv) Lithographic or Letter Press Printing	
(A) Roller Wash – Step 1	600 (5.0)
(B) Roller Wash-Step 2, Blanket Wash, & On-Press Components	800 (6.7)
(C) Removable Press Components	25 (0.21)
(v) Screen Printing	750 (6.3)
(vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing)	800 (6.7)

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APPENDIX B: RULE EMISSION LIMITS [RULE 1171 11-7-2003]

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS VOC g/l (lb/gal)
(vii) Specialty Flexographic Printing	600 (5.0)
(E) Cleaning of Polyester Resin Application Equipment	25 (0.21)

FACILITY PERMIT TO OPERATE

CAMBRO MANUFACTURING CO

APPENDIX B: RULE EMISSION LIMITS [RULE 1171 2-1-2008]

(1) Solvent Requirements

A person shall not use a solvent to perform solvent cleaning operations unless the solvent complies with the applicable requirements set forth below:

	CURRENT LIMITS*	EFFECTIVE 1/1/2008*	EFFECTIVE 1/1/2009
SOLVENT CLEANING ACTIVITY	**VOC g/l (lb/gal)**	**VOC g/l (lb/gal)**	**VOC g/l (lb/gal)**
(A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application			
(i) General	25 (0.21)		
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)		
(iii) Medical Devices & Pharmaceuticals	800 (6.7)		
(B) Repair and Maintenance Cleaning			
(i) General	25 (0.21)		
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)		

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APPENDIX B: RULE EMISSION LIMITS [RULE 1171 2-1-2008]

	CURRENT LIMITS*	EFFECTIVE 1/1/2008*	EFFECTIVE 1/1/2009
SOLVENT CLEANING ACTIVITY (cont.)	**VOC g/l (lb/gal)**	**VOC g/l (lb/gal)**	**VOC g/l (lb/gal)**
(iii) Medical Devices & Pharmaceuticals			
(A) Tools, Equipment, & Machinery	800 (6.7)		
(B) General Work Surfaces	600 (5.0)		
(C) Cleaning of Coatings or Adhesives Application Equipment	25 (0.21)		
(D) Cleaning of Ink Application Equipment			
(i) General	25 (0.21)		
(ii) Flexographic Printing	25 (0.21)		
(iii) Gravure Printing			
(A) Publication	100 (0.83)		
(B) Packaging	25 (0.21)		
(iv) Lithographic (Offset) or Letter Press Printing			
(A) Roller Wash, Blanket Wash, & On-Press Components			
(I) Newsprint	100 (0.83)		

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APPENDIX B: RULE EMISSION LIMITS [RULE 1171 2-1-2008]

	CURRENT LIMITS*	EFFECTIVE 1/1/2008*	EFFECTIVE 1/1/2009
SOLVENT CLEANING ACTIVITY (cont.)	**VOC g/l (lb/gal)**	**VOC g/l (lb/gal)**	**VOC g/l (lb/gal)**
(II) Other Substrates	500 (4.2)	100 (0.83)	
(B) Removable Press Components	25 (0.21)		
(v) Screen Printing	500 (4.2)	100 (0.83)	
(vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing)	650 (5.4)	650 (5.4)	100 (0.83)
(vii) Specialty Flexographic Printing	100 (0.83)		
(E) Cleaning of Polyester Resin Application Equipment	25 (0.21)		

* The specified limits remain in effect unless revised limits are listed in subsequent columns.

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APPENDIX B: RULE EMISSION LIMITS [RULE 1175 5-13-1994]

Except as otherwise provided in Rule 1175

Emission Control Requirements:

(1) Manufacturing Operations, Excluding Expandable Polystyrene (EPS) Molding Operations

(A) By January 1, 1994, each polyurethane operation subject to the rule shall discontinue its use of CFCs, VOCs, or methylene chloride.

(B) Each manufacturing operation, excluding rigid polyurethane operations shall reduce yearly emissions from its 1988 emissions baseline, based on Rule 301 emission fees filing, by 100 percent, beginning calendar year 1994.

(2) Expandable Polystyrene (EPS) Molding Operations

The operator of an expandable polystyrene (EPS) molding operation shall demonstrate, to the satisfaction of the Executive Officer, that manufacturing emissions and post-manufacturing emissions, assuming all the blowing agent is released from the product, are less than 2.4 lbs per 100 lbs of raw material processed.

(3) The operator of any polymeric cellular manufacturing operation, subject to the requirements of paragraph (1) or (2), shall submit a plan to the District subject to approval by the Executive Officer's designee, that will demonstrate compliance with paragraph (1) or (2).

(4) The operator of any polymeric cellular manufacturing operation that has not achieved the requirements specified in paragraphs (1), (2), or (3) shall:

(A) Submit permit applications for the installation of an emission control system within four months of the date that compliance with such requirement was not achieved; and

(B) Within 12 months of failing to meet the requirements of paragraph (1), (2), or (3), the following provisions must be satisfied:

(i) An approved emission control system is installed and operating with all sources of manufacturing emissions vented only to the approved emission control system; and

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APPENDIX B: RULE EMISSION LIMITS [RULE 1175 5-13-1994]

(ii) Emissions from the final manufactured product are vented only to the approved emission control system for at least:

(I) 48 hours, in the case of expandable polystyrene molding operations that process more than 800,000 pounds per calendar year of raw material; or

(II) 24 hours, in the case of all other manufacturing operations.

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APPENDIX B: RULE EMISSION LIMITS [RULE 1175 9-7-2007]

Except as otherwise provided in Rule 1175

(c) Emission Control Requirements

(1) Manufacturing Operations, Excluding Expandable Polystyrene (EPS) Molding Operations

(A) By January 1, 1994, each polyurethane operation subject to the rule shall discontinue its use of CFCs, VOCs, or methylene chloride.

(B) Each manufacturing operation, excluding rigid polyurethane operations shall reduce yearly emissions from its 1988 emissions baseline, based on Rule 301 emission fees filing, by 100 percent, beginning calendar year 1994.

(2) Expandable Polystyrene (EPS) Molding Operations

The owner or operator of an expandable polystyrene (EPS) molding operation shall demonstrate, to the satisfaction of the Executive Officer, that manufacturing emissions and post-manufacturing emissions, assuming all the blowing agent is released from the product, are less than 2.4 lbs per 100 lbs of raw material processed.

(3) The owner or operator of any polymeric cellular manufacturing operation, subject to the requirements of paragraphs (c)(1) or (c)(2), shall submit a plan to be approved by the Executive Officer, that demonstrates compliance with paragraph (c)(1) or (c)(2).

(4) The owner or operator of any polymeric cellular manufacturing operation that has not achieved the requirements specified in paragraph (c)(1), (c)(2), or (c)(3) shall:

(A) Submit permit applications for the installation of an emission control system within four months of the date that compliance with such requirement was not achieved; and

(B) Within twelve months of failing to meet the requirements of paragraph (c)(1), (c)(2), or (c)(3), the following provisions must be satisfied:

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APPENDIX B: RULE EMISSION LIMITS [RULE 1175 9-7-2007]

(i) An approved emission control system is installed and operated with all sources of manufacturing emissions collected and reduced according to subparagraphs (b)(1)(A) and (b)(1)(C) ; and

(ii) All sources of storage emissions from the final manufactured product are collected and reduced according to subparagraphs (b)(1)(B) and (b)(1)(C) for at least:

(I) 48 hours, in the case of expandable polystyrene molding operations that process more than 800,000 pounds per calendar year of raw material; or

(II) 24 hours, in the case of all other manufacturing operations; or

(iii) Expanded polystyrene (EPS) block molding operations may, in lieu of complying with the specific control requirements of clauses (c)(4)(B)(i) and (c)(4)B)(ii), collect and reduce, through a combination of emission control systems and operational techniques, as approved by the Executive Officer, manufacturing emissions by at least 93 percent overall by weight (the product of capture and control device efficiencies), provided, at least 60 percent of the annual EPS block throughput is manufactured with low-pentane bead and the remainder with mid-pentane bead.

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APPENDIX B: RULE EMISSION LIMITS [RULE 404 2-7-1986]

The operator shall not discharge into the atmosphere from this equipment, particulate matter in excess of the concentration at standard conditions, shown in Table 404(a). Where the volume discharged is between figures listed in the Table, the exact concentration permitted to be discharged shall be determined by linear interpolation.

For the purposes of this rule, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

TABLE 404(a)

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter"Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot	Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot
25 or less	883 or less	450	0.196	900	31780	118	0.0515
30	1059	420	.183	1000	35310	113	.0493
35	1236	397	.173	1100	38850	109	.0476
40	1413	377	.165	1200	42380	106	.0463
45	1589	361	.158	1300	45910	102	.0445
50	1766	347	.152	1400	49440	100	.0437
60	2119	324	.141	1500	52970	97	.0424
70	2472	306	.134	1750	61800	92	.0402

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APPENDIX B: RULE EMISSION LIMITS [RULE 404 2-7-1986]

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter"Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot	Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot
80	2825	291	.127	2000	70630	87	.0380
90	3178	279	.122	2250	79460	83	.0362
100	3531	267	.117	2500	88290	80	.0349
125	4414	246	.107	3000	105900	75	.0327
150	5297	230	.100	4000	141300	67	.0293
175	6180	217	.0947	5000	176600	62	.0271
200	7063	206	.0900	6000	211900	58	.0253
250	8829	190	.0830	8000	282500	52	.0227
300	10590	177	.0773	10000	353100	48	.0210
350	12360	167	.0730	15000	529700	41	.0179
400	14130	159	.0694	20000	706300	37	.0162
450	15890	152	.0664	25000	882900	34	.0148
500	17660	146	.0637	30000	1059000	32	.0140
600	21190	137	.0598	40000	1413000	28	.0122
700	24720	129	.0563	50000	1766000	26	.0114
800	28250	123	.0537	70000 or more	2472000 or more	23	.0100

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APPENDIX B: RULE EMISSION LIMITS [RULE 405 2-7-1986]

The operator shall not discharge into the atmosphere from this equipment, solid particulate matter including lead and lead compounds in excess of the rate shown in Table 405(a).

Where the process weight per hour is between figures listed in the table, the exact weight of permitted discharge shall be determined by linear interpolation.

For the purposes of this rule, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

TABLE 405(a)

Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All Points of Process		Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All points of Process	
Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour
100 or less	220 or less	0.450	0.99	9000	19840	5.308	11.7
150	331	0.585	1.29	10000	22050	5.440	12.0
200	441	0.703	1.55	12500	27560	5.732	12.6
250	551	0.804	1.77	15000	33070	5.982	13.2
300	661	0.897	1.98	17500	38580	6.202	13.7
350	772	0.983	2.17	20000	44090	6.399	14.1
400	882	1.063	2.34	25000	55120	6.743	14.9
450	992	1.138	2.51	30000	66140	7.037	15.5
500	1102	1.209	2.67	35000	77160	7.296	16.1
600	1323	1.340	2.95	40000	88180	7.527	16.6
700	1543	1.461	3.22	45000	99210	7.738	17.1
800	1764	1.573	3.47	50000	110200	7.931	17.5
900	1984	1.678	3.70	60000	132300	8.277	18.2
1000	2205	1.777	3.92	70000	154300	8.582	18.9

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APPENDIX B: RULE EMISSION LIMITS [RULE 405 2-7-1986]

Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All Points of Process		Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All points of Process	
Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour
1250	2756	2.003	4.42	80000	176400	8.854	19.5
1500	3307	2.206	4.86	90000	198400	9.102	20.1
1750	3858	2.392	5.27	100000	220500	9.329	20.6
2000	4409	2.563	5.65	125000	275600	9.830	21.7
2250	4960	2.723	6.00	150000	330700	10.26	22.6
2500	5512	2.874	6.34	175000	385800	10.64	23.5
2750	6063	3.016	6.65	200000	440900	10.97	24.2
3000	6614	3.151	6.95	225000	496000	11.28	24.9
3250	7165	3.280	7.23	250000	551200	11.56	25.5
3600	7716	3.404	7.50	275000	606300	11.82	26.1
4000	8818	3.637	8.02	300000	661400	12.07	26.6
4500	9921	3.855	8.50	325000	716500	12.30	27.1
5000	11020	4.059	8.95	350000	771600	12.51	27.6
6000	13230	4.434	9.78	400000	881800	12.91	28.5
7000	15430	4.775	10.5	450000	992100	13.27	29.3
8000	17640	5.089	11.2	500000 or more	1102000 or more	13.60	30.0